



COMPUTER ENTHUSIAST CATALOG

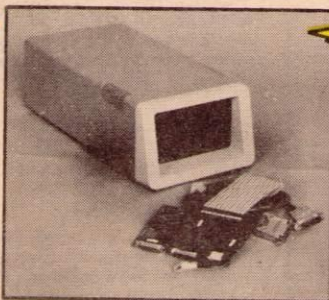
for Amiga and Atari ST

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Hard Disk Adaptor

Connect PC-Compatible Hard Drives to your Atari ST. Our BMS-200 Adaptor works with Seagate SCSI drives. Simple Plug and screw assembly. We have economically priced cases with power supplies and fans

-See Page 14



Only \$9.95!

Publishing Partner Font Liquidation

-See Page 13

Authorized GFA Liquidation

We still have a small number of Light Ray Tracing, Draft Plus and Artist from our Mid-Winter Sale. They won't last, so order promptly!

-See Page 14

Save
60%!

Talking Educational Savings Software Sale

We got a dynamite deal on the First Byte Smooth-Talker series of state-of-the art educational software. If you have an Atari ST and children, don't pass this up!

-See Page 13

Flexcessory Beats Up MultiDesk

Authors, EABCO "Fed-Up" With Unfair Comparisons
Money Back Guarantee, Comparison Chart, ... More...

-See Page 12

Complete Editor/Compiler Systems for Amiga and Atari ST NEW! HiSoft BASICs and WERCs

NEW! HiSoft BASIC
Advanced Feature BASIC That
Compiles To Fast Machine Code!

Review by Eben Brown

With most BASIC languages, you have to buy an editor and a compiler separately. Our new HiSoft BASIC for the Atari ST gives you the complete system in one package... all the while providing a superior BASIC language. Imagine writing your own powerful programs with an easy-to-use BASIC programming environment. And then, compiling them into compact, lightning fast machine code programs!

HiSoft BASIC also gives you industry standard compatibility. It conforms closely with Microsoft BASIC, Quick BASIC, Amiga BASIC, and ST BASIC requirements. Take the source code (BASIC Program) from any of these and HiSoft BASIC's compiler will accept and compile it with very few changes! Not only that! HiSoft BASIC is an advanced feature BASIC. It allows you to do structured programming, use long IF's, multi-line functions, CASE, REPEAT, and even procedures. Line numbers are optional. Full recursion for procedures, functions, arrays, and local variables is supported. There is NO PROGRAM SIZE LIMIT! The actual size of your programs depends on how much hard or floppy disk capacity you have. Variable size is limited only by your memory... strings can be MEGABYTES long! You can even use integer and character constants (like C and PASCAL do).

Once you've written your HiSoft BASIC program, the compiler takes over... and what a compiler it is! Overflow checks can be turned off or on from within your program. You can perform array and subscript checks. You can produce GEM or TOS programs (.PRG, .TOS, .TTP). This compiler even checks variable definitions to be sure there are no mistakes in typing.

It may sound complicated, but it really boils down to a simple process: You write your

program in BASIC. Then, you click on COMPILE. When the computer finishes, you have a machine code program that you wrote yourself! Order your copy today!
250-700 ST HiSoft BASIC 3 lb.
List \$79.95

Our Price \$59.95

For Amiga and Atari ST
HiSoft BASIC Professional

Review by Eben Brown

For the sake of catalog space, I'm omitting a general description of this Professional version of HiSoft BASIC. It's already been written and appears elsewhere on this page under the heading of HiSoft BASIC for the Atari ST only. This new professional version is for the Amiga as well as the Atari ST and adds features on top of those present in the regular version.

HiSoft BASIC Professional (HBP) is a complete package for writing programs in BASIC and subsequently compiling them to fast, compact machine code. It's compatible with most other BASICs (including AmigaBASIC and Atari ST BASIC). So, you can even use HBP to compile the BASIC programs you already own! And get this: The machine code you compile to is fully compatible with 68010, 68020, and 68030 processors.

Your compiled programs will have no Run-Time overhead. They do share a library which you can distribute freely if you care to share or sell your compiled programs. Amiga HBP programs can even multi-task. This type of operation begins to consume a lot of memory, but they can all share the same library... which makes for efficient use of that memory. Complete stand-alone programs can include only as much of the library as needed... for even more memory savings.

This is a very advanced and powerful programming system for the Amiga and Atari ST. There are many, MANY powerful commands and techniques which it supports. However, the general process is to write your program in easy to understand BASIC. Then, click on COMPILE. When finished,

you will have created a machine code program all by yourself! Order HiSoft BASIC Professional today!

250-710 Amiga HiSoft BASIC Professional 3 lb.
250-711 Atari ST HiSoft BASIC Professional 3 lb.
List \$59.95

Our Price \$99.95

ST Resource File Machine

To hear our independent developer Derrick Hall talk about it, this new WERCs for programmers is terrific. WERCs is a mouse driven GEM resource file editor for creating dialog boxes, menus, icons, and alert boxes. Using such resource files allows for smaller program files and makes your code easier to maintain.

With WERCs, you can adjust size, position, border width, color, and fill patterns of boxes quickly and easily. You can change the size, justification, and color of text characters. Text fields are totally editable. You can produce and edit resource files up to 64K in size. You can produce resource files for use in low, medium, and high resolution. You can have up to 16 characters per language identifier. There's an optional automatic naming feature (no need to type text and name twice). A unique Search facility allows you to search for a particular string or language identifier within your resource file. You can actually have as many as 200 objects per tree! Full cut and paste editing of objects and whole trees is supported as well as optional character snap and text box sizing.

There's an integrated icon/image editor that supports standard editing features like clearing or filling a bit map or moving the bitmap up, down, left, or right by one bit. The list of features goes on and on! If you program an Atari ST, this is the resource editor to own. It's compatible with HiSoft BASICs, ST DevPac2, and any other standard assembler, C, Pascal, Fortran-77, or modern Modula-2 language. Order today!
250-672 ST WERCs 1 lb.
List \$49.95

Our Price \$29.95

Super, Lightning Fast PC/XT/AT Emulation

The sequel to PC-Ditto (a great but sometimes slow) emulator. New PC-DITTO II is a cartridge that plugs into your Atari ST... turning it into a raging beast of an IBM-AT Emulator!

Just how fast? How many megahertz? Norton SI comparisons with XT's, AT's, ...PS/2-30s?

-See Page 11

For Atari ST (Amiga Version Coming Soon) Teacher's Choice EZ-GRADE Class Manager MUCH More Than a Simple Gradebook!

Review by Eben Brown

Our new EZ-GRADE by Brent McKim is the definitive answer to computerized class management. Of course it keeps track of students grades. But the real power of it is in what it DOES with that grade data.

Here's a PARTIAL list of the powerful features of EZ-GRADE: Personalized progress reporting, one step grade curving, grade weighting, interactive histograms, flexible grading scales, absence monitoring, detailed gradebook printouts, super fast calculations... and more. It's designed to support classes up to 60 students in size and can be used with color or monochrome Atari ST computers (Amiga Version is Coming Soon).

Being a businessman rather than a teacher, I'm not really qualified to tell you that EZ-GRADE is the "Teacher's Choice". So, take a look at what actual customers have to say:

"I got EZ-GRADE yesterday... IT IS ABSOLUTELY WONDERFUL!"
-E.M., Shoals, IN

"Thanks for a great program... Super Product!!!"
-L.H., Vancouver, WA

"I want to take a minute to thank you for writing such an excellent program..."
-A.E., Portland, OR

"I found your grading application more than

adequate and much better than any... I had found."

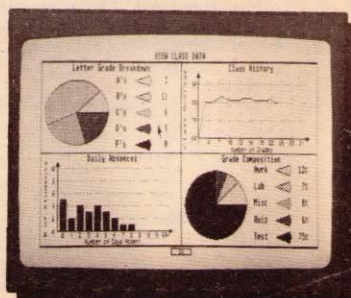
-P.P., Fresno, CA

"My colleagues... continue to ask if you have provided this for other systems than the Atari..."

-T.M., Conyers, GA

Wouldn't it be great to devote all of your efforts to actual teaching and forget the paperwork? Why not let EZ-GRADE and your computer take over the administrative headaches? Order your's today!

278-200 ST EZ-GRADE 3 lb. \$29.95



EZ-GRADE

E. Arthur Brown Company
3404 Pawnee Drive, Alexandria MN 56308
Hours 8:30-4:30 M-F. 612/762-8847

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Not Relational, Not Flat Field... Something Totally Different...

FINDEX V Data/Text System

Stores Information The Way You Think It.

Easily Finds What You Need in 2-8 Seconds...No

Matter Where It's Located. Money Back If Not Satisfied!

Review by Eben Brown

First there were the "Flat Field" programs. They served well enough for name and address type data. But, they took alot of foresight to set up (ie. setting up the right number of fields with just the right number of characters per field) and were difficult to change or interact with. Then came the "Relational" programs. These are much more flexible, but also more complicated. In fact, they're closer to being a programming language than a ready made application... much more figuring than most people want to do.

FINDEX V is something completely different. It's so easy to set up, you can be entering data within 5 minutes of opening the package. Yet, it offers speed and flexibility unmatched by Flat Field OR Relational systems. The creator of FINDEX V, Thomas B. Woods has approached information management from a totally different perspective. For want of a better term, we're calling it Multiple Keyword Logic (MKL).

The principle of MKL (and FINDEX V) is that computers should access and manage information like people do. For example: With no conscious set-up procedures, the human brain handles information in an unformatted, disjointed,.... UNLIMITED manner. Yet with the simplest reference, it is able to find, link, and organize the information it needs in an instant. FINDEX V is designed to operate in this very same way.

You can enter unorganized text into it, or organized information (such as a mailing list), or records with some organized and some unorganized information... such as notes and memos. FINDEX V accepts whatever you want to put into it. When you want to find your information, just type a word or phrase to look for. In 2-8 seconds, your record pops onto your screen. Record size is essentially unlimited. Find anything from a name and address to a Bible verse... that simple... that fast. When you fill up a 60 line "page", just start a NEW page... like you would with a notebook or diary.

Un-Organized and Organized... All At Once

If you've gotten the impression that FINDEX V can manage information in totally un-organized formats, you're right. It can also be super organized or it can be partially organized and partially unorganized. For example, you might set up records so that each one has the same types of information occurring on the same lines in each record. Name on line 1. Address on line 2... and so on. This type of uniformity allows for sorting and defined output capabilities when they're needed for data merging, report generating, and form letters. Probably the more common arrangement for FINDEX V users is to maintain records that are a combination of formatted and unformatted data. A typical paper rolodex

card has a name and address. But who among us hasn't jotted a few notes and memos on their rolodex cards? That's where FINDEX V comes in. Pull up a name and address, see your notes on what your last communication or sale was about. Make a new contact and type some more details onto the record.

Another amazing utility of FINDEX V is that many different types of records can be in the same file: Your daily appointment diary, your address file, your "things to do" list.... if certain things go together, you can put a keyword into them so they'll separate from other entries when you want them to. Having them all available at once is really handy though. 2-8 seconds is all it takes to find something!

File Capacity

Unlike traditional field oriented data storage, FINDEX V records take up only the amount of space actually used... no more and no less. This amounts to a tremendous memory savings. Up to 5,000 names and addresses will fit in a maximum 262K file size. This memory efficiency is important, as FINDEX V gets much of it's speed from being RAM resident.

File Compatibility

Will you be able to use your existing data in FINDEX V without manually keying it in? YES! Will FINDEX V data be compatible with other systems if you want to exchange information with somebody that doesn't use FINDEX V? YES! FINDEX V supports ASCII(text), flat field, and delimited file formats. In fact, the ease of importing and exporting these formats when combined with the ability to re-arrange files with a special FORM command make FINDEX V the preferred system for people who must maintain several compatibilities.

There's Much Much More!

This review covers most of the major features, but FINDEX V has many more. TOKENs can be defined for single key entry of entire strings of text. Sophisticated reports and form letters can be generated using the FORM command. FINDEX V is compatible with text files from any word processor... or it can generate text itself for writing notes and letters. A special Nth Name Select allows for statistical sampling of your records. STATS and TALLYS allow for numeric analysis of data. Formatted Data Entry allows you to "fill in the blanks" of custom designed forms. A special DOS batch file feature allows you to exit to and perform DOS functions (PC version), then return to where you were in FINDEX V. No copy protection... install on your hard or floppy drives with no hassle.

Money Back Guarantee

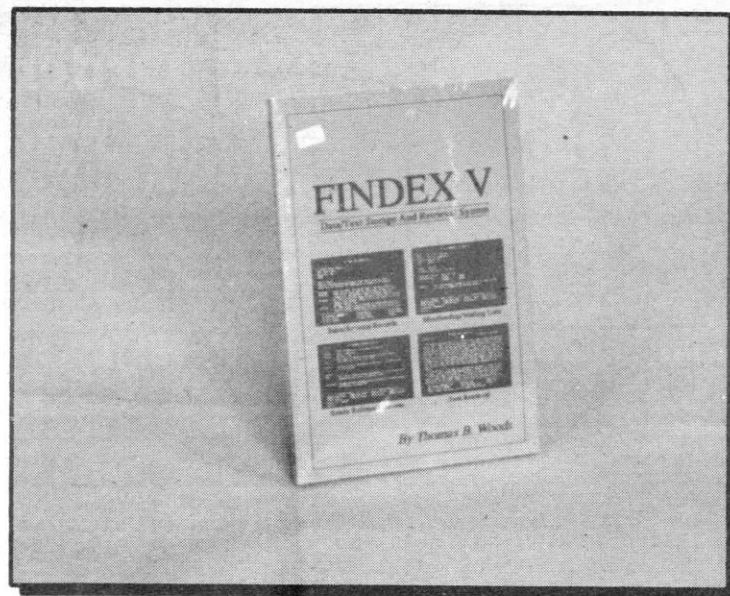
Who ever heard of a money back guarantee on software? FINDEX V carries a 30 day money back guarantee. You can try it for 30 days and if you're not perfectly satisfied,

you can return it for a refund (less shipping charges). I must say that VERY FEW have taken us up on this guarantee... most people fall in love with FINDEX V!

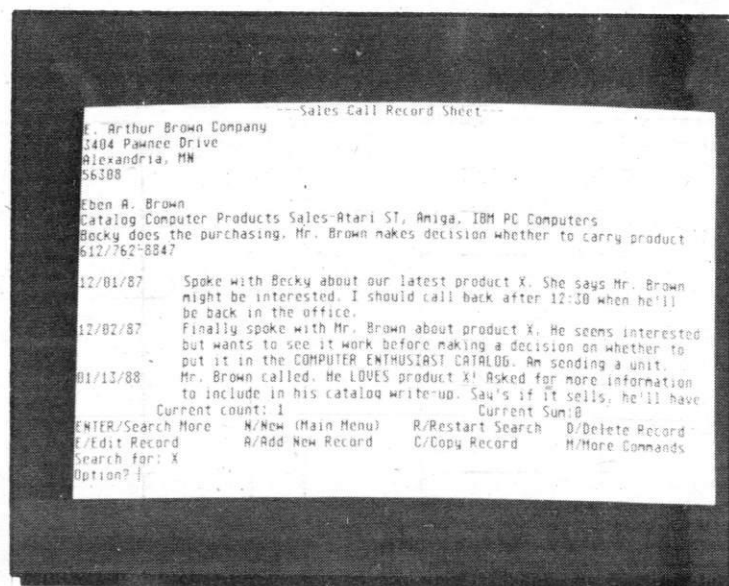
The Pitch

FINDEX V works like your brain. It's easy, natural, and FAST. It's MKL technology can be applied to your new or existing data with ease. And, if all of that doesn't make you happy, YOU CAN SEND IT BACK FOR A REFUND! What have you got to lose? Order FINDEX V today!

298-615 ST FINDEX V 1 lb. \$49.95
298-620 PC FINDEX V 1 lb. \$49.95
298-625 Amiga FINDEX V 1 lb. \$49.95

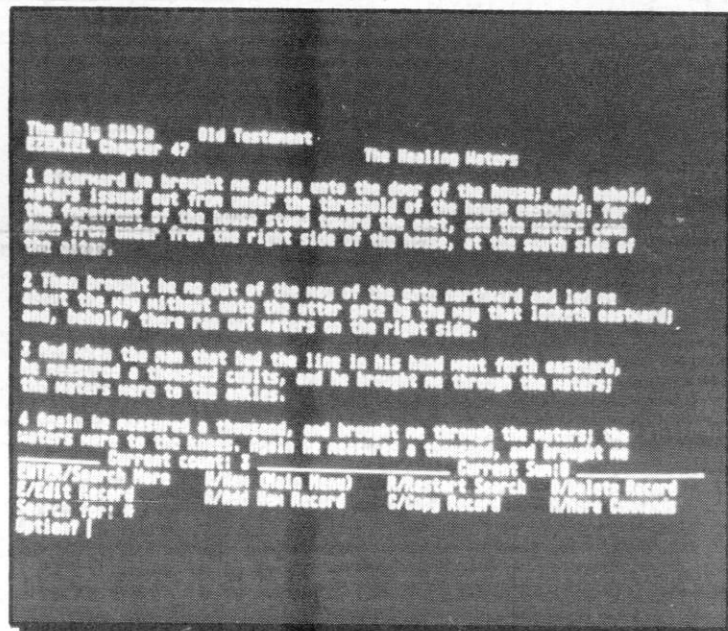


You Can Use FINDEX V for a Rolodex-Type Application. With Names, Addresses, and Phone Numbers Accessible in just 2-8 Seconds by Typing The Name Or Phrase You're Looking for. Having No "Field" Limitations, You can also Type Notes or Memos on Those Records With Ease!

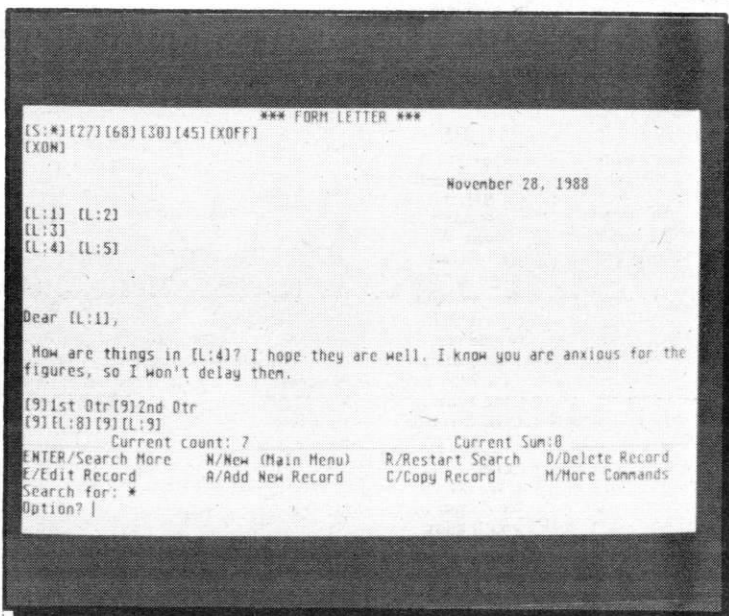
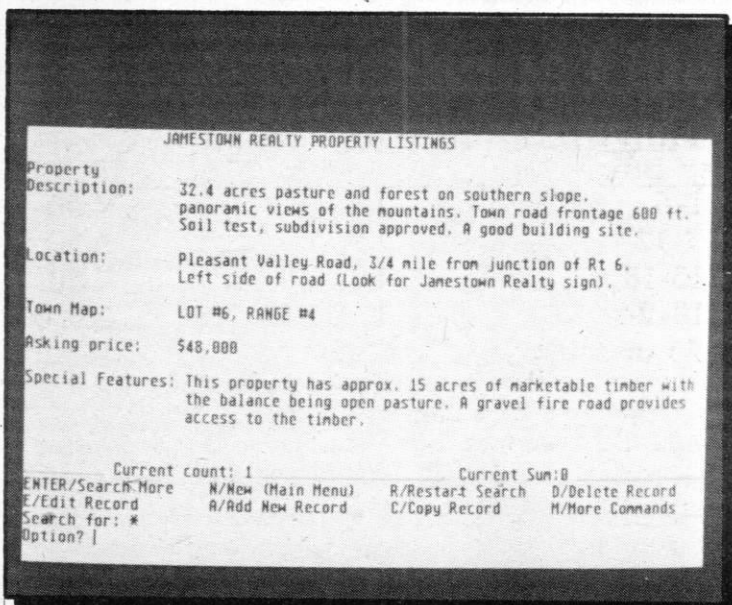
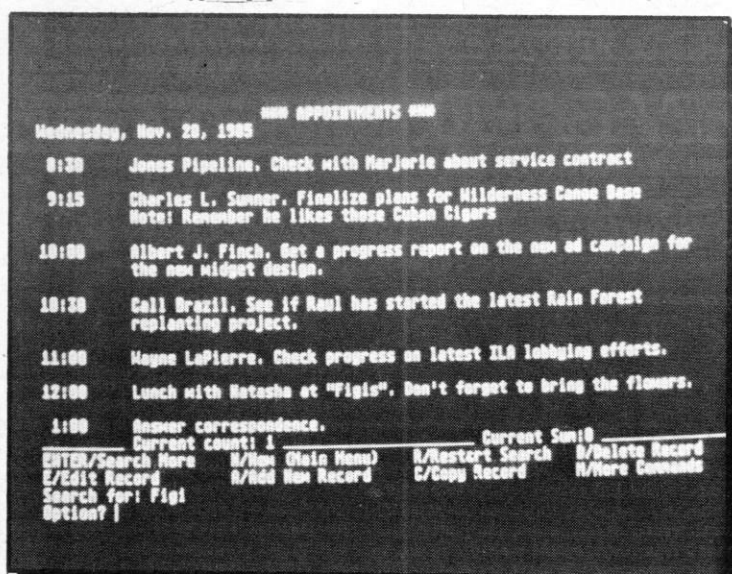


You Can Use FINDEX V as a Text Retrieval Tool by Simply Merging ASCII Format Text Into It. Find a Subject or Phrase in 2-8 Seconds by Just Typing What You're Looking For and Pressing [RETURN].

Keep Your Daily Diary or Appointment Calendar in FINDEX V... Right Along With Your Rolodex-Type Info. Make Additions Or Changes As Easy As Typing Text. And Everything Is Available in as Little as 2-8 Seconds!



With FINDEX V, You Have A Unique FORM Command. It Allows You To Produce Mail-Merged Form Letters, Generate Reports, And Manipulate Or Re-Arrange Your Data To Suit Your Needs. Create a "FORM" With Your Word Processor or FINDEX V. The FORM Command Inserts Your Data Where You Want and Sends The Results To Your Printer Or Disk Drive.



Remember, All of These Examples(And Many More) Can Be In The Same File When You Have FINDEX V. No Need To Load Them Separately. Further, You Aren't Hamstrung by "Fields"... Neither Their Lengths, Search Requirements, Nor Pre-Defined Uses.

"I have been using your FINDEX V... for several months on my IBM compatible at work... I have been so pleased that I am now using the Atari ST version... for several applications at home..."

John C. Graper, Wilmington, DE

"...this program (FINDEX V) really does everything you claim for it. It's so good that... I've started using it instead of my previous database and memo software..."

H.B., Nashua, NH

"I have become very fond of FINDEX because it has... a GLOBAL search within a file... I can ask the computer for all the albums (records) containing a certain title, or (5) ratings, or... a certain playing time. There is no way you can do this with a data base which must search by fields."

J.L. Petersburg, KY

"...the FINDEX V software is wonderful..."

V.K. San Fran., CA

Atari ST Products

Going Beyond The Blitter

Improved Turbo ST Blitter Beater

Review by Eben Brown

Ever since Atari announced the "Blitter Chip", ST users have been anxiously waiting the opportunity to install it in their machines. Well, the wait is over and you don't even have to open your machine to install it. It's called **Turbo ST** and it's software. You merely install it as an accessory on your boot disk and can turn it off and on from a pull down menu.

From the start, **Turbo ST** has been faster than the actual Blitter Chip. But recently, it has been made even faster... and even more compatible with other programs (previous customers can

upgrade for a dollar).

How well does **Turbo ST** work? Most notably, you'll be amazed at how fast your GEM windows are updated. You'll be able to scroll through text on your word processor much faster. As an example, the **DEVPAK Text Editor** runs about 450% faster in monochrome and 524% faster in color.

Turbo ST is the simple, inexpensive, and FASTER answer to your desire for a Blitter Chip upgrade. See how fast your ST can be... order **Turbo ST** today! 717-700 Turbo ST Blitter 1 lb. List \$49.95. **Our Price \$32.95**

GEM Font Pirate

Review by Eben Brown

Have you been trying to find some exotic GEM fonts to use with **TimeWorks Publisher ST** or **WordUp!**? Hey, the **FONTZ** program can get you hundreds of fonts from the Macintosh public domain world! It even converts Amiga, DEGAS and HippoWord fonts to GEM format. Here's how it works:

You get on line to a Macintosh bulletin board with your ST and a modem. Download some Macintosh fonts to your ST. CONVERT the fonts to GEM format using **FONTZ**. Finally, SCALE the fonts to different point sizes and different printer files. That's it. The process is estimated to take 1-2 hours per font style.

Oh, but that's just part of the story on

FONTZ. You can also use it to create totally new GEM font styles, editing them dot by dot. Or, you can take an existing font style and modify it dot by dot. When you're done, you can scale to different point sizes and printer files. What a great way to get new font styles for **Publisher ST** and **WordUp!**

That's still not all! Besides converting Macintosh fonts, creating your own fonts, and modifying existing fonts, **FONTZ** comes with 6 exotic font styles of its own. If you use GEM fonts, this is a must addition to your software library. Order **FONTZ** today. (Not for use with Publishing Partner).

322-200 ST FONTZ 1 lb. List \$34.95. **Our Price \$22.95**

Special Purchase Opportunity

Put On Your 3D Glasses And Fly For Only \$9.95!

Review by Eben Brown

Put on **ST Wanderer's** 3D glasses and watch space ships and other objects fly right out of the screen at you. It's an optical trick, of course. But, it really is intriguing to play with. One of my son's friends was unconsciously reaching out with his hand to feel the illusion!

We bought out an overstock of **ST Wanderer** at a terrific savings and can offer them for a special low price. Only \$9.95 for this terrific software package... including two pairs of 3D glasses. A great wrap up Christmas Gift or stocking stuffer for the ST owner who has everything. We only have 200 of these, so don't miss your chance at REAL 3D on your Atari ST.

587-404 ST 3D Wanderer (Color) 1 lb. List \$29.95. **Special \$9.95**



Funtion Key Reference Card Printer

Function keys are useless if you don't know what they're for. That's why David Kosowski came up with this handy program for printing your own Function key Quick-Reference cards.

STFKEYS presents a screen display much like a calendar with key labels instead of dates. Under each key label you type in it's functions. Do this for F-keys, Control-keys, Alt-keys, and any

others. When you're done, go to the print menu and a nice, neat Quick Reference card is printed out.

Save your Quick Reference card to disk and you can re-load it for changes anytime. Now, is that a handy piece of software or what? Order your **STFKEYS** today! (Color Systems Only)

254-600 STFKEYS 1 lb. \$9.95

ST Drive Switcher

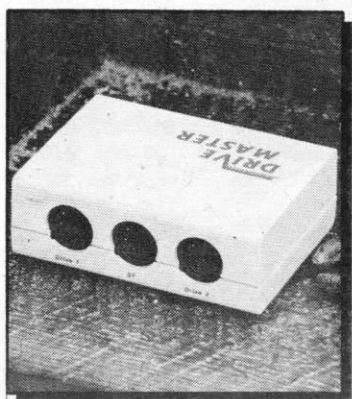
Now You Can Run Two Units As Drive "B"

Review by Eben Brown

Are you tired of plugging and unplugging your 5.25" and 3.5" drives to suit your software? Our new **ST Drive Master** is the solution you've been waiting for! Plug the **ST Drive Master** into the Out port on your "A" drive. Then, plug your 5.25" and 3.5" drives into the **Drive Master**. That's it! Now you can safely switch between them at the touch of a button... no more unplugging and plugging!

ST Drive Masters are the original quality built Practical Solutions drive switches. They feature an attractive molded case and a 3 foot cable. No power supply is required... they're really slick units.

If you are a **PC-Ditto** user with a 5.25" second drive and your previous 3.5" second drive is gathering dust, don't do without the **ST Drive Master**. Order today!



275-203 ST Drive Master 2 lb. List \$49.95. **Our Price \$34.95**

Desktop Accessory/Utility Managers

Multi-Desk and Flexcessory Load/Dump Infinite Numbers of Accessories & Utilities From Inside Atari ST Programs Without Rebooting!

Review by Eben Brown

This is the year for the Atari ST Desktop to surpass its limited "Accessory" hangups and actually become a powerful, useful tool! No longer will you be restricted to 6 carved-in-stone Accessories... nor will you even be restricted to .ACC file format for your desktop utilities. No longer will you have to re-boot to change Accessories. Two exciting Desktop Managers have solved pretty much ALL of the limitations of the old Atari ST Accessory system. You may find one best for you. You may find BOTH best for you (they DO work together). **Multi-Desk** and **Flexcessory**... Read all about them!

Flexcessory!

Released under our EAB label this Spring, **Flexcessory** works as an add-in system. It takes up one accessory slot and provides 15 of its own. Instead of .ACC "Accessory" files however, it loads/dumps .PRG, .TOS, and .TTP utility programs as if they were accessories. The idea behind this is that these types of programs are much more efficient with memory than are .ACC programs. You can load **Flexcessory** into all 6 original Accessory slots for a total access of up to 90 Desktop "Utilities". Or, you can leave some slots open for .ACC programs you can't find a .PRG equivalent to.

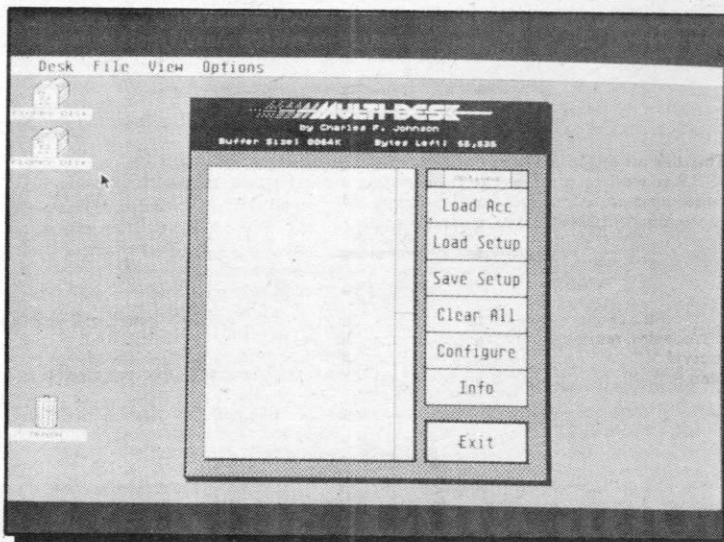
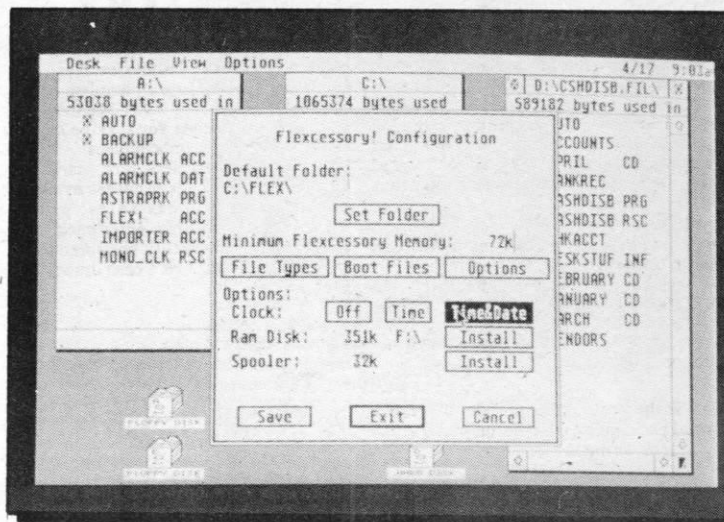
In actual use, you can configure **Flexcessory** to automatically load certain favorite utilities at boot up. Then, from any desktop or application, you can load more utilities or dump others to free up memory. It's as simple as pulling down the **Flexcessory** menu and clicking your mouse.

Intended to replace .ACC based systems, **Flexcessory** comes with a whole slew of utilities that look, feel, and operate just like .ACC accessories. You get a corner date/clock, two types of calculators, a control panel (identical to the original Atari panel), RAM disk, Print Spooler, RS232 Configuration, VT52 Emulator, Notepad, Install Printer, ST & PC Disk Formatting Utilities, Disk Stepper Motor Time Setter (Great for those wanting PC 5.25" disk drives), and more. 21 terrific utilities included free with **Flexcessory**. And it will load and dump most other utilities as well. That's the **Flexcessory** solution!

Multi-Desk

Only recently introduced, **Multi-Desk** was designed to handle .ACC format Accessories. It takes up one Accessory slot and provides 16 of its own. Load **Multi-Desk** into all 6 original Accessory slots and you can have up to 96 Accessories. You can even load **Multi-Desk** into its own Accessory slots... meaning practically limitless Accessories can be loaded. Of course, available memory will dictate how many you can have... but it certainly won't be limited by **Multi-Desk**!

In actual use, you can configure **Multi-Desk** to automatically load certain favorite Accessories at boot-up. There after, from the desktop or from within



an application, you can load other accessories at will. Returning to the Desktop, you can "Clear All" to free up RAM for other applications, or to load other Accessories. A special "Shrink To Fit" feature makes sure your Accessories take up no more memory than absolutely needed. And, a "Set-Up File Path" capability allows custom configuration of boot files.

Flexcessory vs. Multi-Desk

The most obvious difference is the type of file these two desktop managers can use. **Flexcessory** handles .PRG, .TOS, and .TTP formats but not .ACC. **Multi-Desk** handles .ACC files but neither .PRG, .TOS, nor .TTP. Both load their utilities or accessories one at a time at the desktop or from within programs. **Flexcessory** can "Unload All" or "Unload" individual utilities at the desktop or from within an application. **Multi-Desk** dumps its accessories all at once from back at the desktop using "Clear All". Both programs allow

pre-reserving an area of memory for utilities or accessories. This allows loading even when one of those applications that grabs all available memory is installed. Booted and running, **Flexcessory** uses about 50K of RAM. **Multi-Desk** uses about 72K. **Flexcessory** comes with 21 ready to use utilities while **Multi-Desk** comes just by itself.

Order Both And SAVE!

Good News! **Flexcessory** and **MultiDesk** can be used simultaneously! Run them both at the same time and have easy desktop access to both Accessories and Utilities without rebooting! We decided that this is such a good combination, we're offering a package deal! Order one or order both... you can't lose with **Flexcessory** and **Multi-Desk**!

127-410 **Flexcessory** 1 lb. \$29.95
363-300 **Multi-Desk** 1 lb. \$29.95
363-310 **Flex/Multi Package** 1 lb. List \$59.90. **Package Price \$49.95**

Order Toll Free, Visa, Master, Discover
1-800-322-4405
Orders Only Please. Questions, Problems, Call 612/762-8847

Run Composite From Your Atari ST

We Now Offer 3 Different Systems To Suit EXACTLY Your Needs

Review by Eben Brown

Now you can output your ST video and audio signals to any composite device. This means you can display on cheap mono or color composite monitors... or even record your computer screens on your VCR (VCRs accept composite input). We have composite solutions for just about every situation and Atari ST

thinkable. Know what you want to accomplish, then select the system that's best for you:

520 COMPOSITE CABLE: This is our simplest solution. As long as you have a 520 STFM or original 520 ST with TV output, this will give nice results in low and medium resolution

color. Use on monochrome composite monitors is a little fuzzy. Audio is also supported. The price is the best part... only \$14.95!

1040 COMPOSITE CABLE: This cable gives composite to ALL Atari ST computers. The signal is gray scaled black and white and gives nice, clean, low and medium resolution images on both color and black and white composite monitors. Audio is also supported. You can even display on a TV set so long as you run the signal through a VCR that accepts composite input. The price is only \$24.95.

ST VIDEO KEY: Designed by Practical Solutions, this device gives low resolution color composite to ALL Atari ST computers. In addition, it features a through port for connecting your monitor, an audio port, and an actual TV port. Does that cover just about every port you can think of? (Now you know why they call it the **Video Key**). The price for all of these extra video capabilities is only \$109.95.

You can see that you don't have to do without composite output anymore. Choose your composite solution and order today!

127-400 ST 520 Composite Cable 1 lb. \$14.95
127-222 ST 1040 Composite Cable 1 lb. \$24.95
275-200 ST VideoKey 2 lb. \$64.95



Business Software Systems

Review by Eben Brown

Having mainframe-computerized our business 5 years ago, I'm acutely aware of how it has enabled E. Arthur Brown Company to keep a competitive edge. In fact, the system is so good it actually TAUGHT us how to run our business better! It also taught me a good deal about what must be present in a serious business software package.

In the past few years such systems have begun to appear for personal computers even though the price was still very high (Our software was \$25,000. PC Software ranged from \$2,000-\$10,000). Though the machines

were less expensive, this was still out of the reach of most small businesses. Now all that has changed! We have a complete business system for only \$199.95! We even have customized systems for service stations, video rental stores, and churches!

Our new *Sales-Pro* series for Atari ST and IBM PC-compatibles provides everything you need to process sales, produce invoices/packing slips, enter back orders, print and mail monthly statements... the works. It even supports a cash drawer if you like.

Sales-Pro

This is the basic point-of-sale, inventory control package which will run pretty much any general business.

320-200 ST Sales Pro 4 lb. \$99.95

329-201 PC Sales Pro 4 lb. \$99.95

Sales-Pro Plus

This system does point of sale with inventory control as well as customer file, back orders, accounts receivable, lay-aways,

statements, etc.
320-202 ST Sales-Pro PLUS 4 lb. \$189.95
320-203 PC Sales-Pro PLUS 4 lb. \$189.95

Super Sales-Pro

This has all of the features of *Sales-Pro PLUS* as well as mail-merge, accounts payable, general ledger, inventory explosion, floor planning, service center, and much

more.
320-204 ST Super Sales-Pro 5 lb. \$579.95
320-205 PC Super Sales-Pro 5 lb. \$579.95

Video-Pro

A custom designed system that handles rentals, sales, returns, reservations, accounts receivable... all aspects of point-of-sale video renting. Find a video distributor, get

this software and a computer, and you're in business!
320-206 ST Video Rental-Pro 4 lb. \$189.95
320-207 PC Video Rental-Pro 4 lb. \$189.95

Fuel-Pro

Complete service station management package. Even handles several stations (Up to 99). Processes point-of-sale business as well as EPA tank reports, inventory control,

accounts payable, general ledger, and more.
320-208 ST Fuel-Pro 4 lb. \$189.95
320-209 PC Fuel-Pro 4 lb. \$189.95

Church Manager

Custom church management system: Form letter/mail merge, lists and labels, accounts payable, general ledger and more.

320-210 ST Church Manager 4 lb. \$189.95
320-211 PC Church Manager 4 lb. \$189.95

System Requirements

These are serious business packages designed specifically to run on a hard drive of 20 megabytes or more capacity. You will also need a minimum of 512K of RAM (STs

are recommended to have 1 meg). PCs must be operating on DOS 3.0 or higher. A printer is highly recommended, too.

Amiga/Atari ST Products

For Amiga and Atari ST

Mouse/Joystick Switch Box

Review by Eben Brown

Why Commodore and Atari put the joystick and mouse connectors where they did is beyond me. All I know is that unplugging them and connecting something different is a pain. And, why in the world should you have to unplug your mouse to connect a joystick? They do two different things... they should have different connection ports.

Well, fumbling with joystick and mouse connectors is now a thing of the past. Connect our new *Mouse Master*™ to your ST or Amiga ports and see what I

mean. It gives a separate connection port for mouse, Joystick 0, and Joystick 1, it's switchable, and it extends the mouse/joystick ports to where you can reach them easily.

Specially designed by Practical Solutions, *Mouse Master* features a clean, molded case and cable and will look nice with the rest of your computer system. Stop making-do with an awkward situation. Order *Mouse Master* today!
275-202 Mouse Master 2 lb. \$34.95
(Same Unit Works For ST Or Amiga)



Modem Criminal's Bible... \$12.95

State by State BBS Directory, Hardware Schematics, Federal & State Computer Crime Laws, Copyright Laws, Wire Fraud Laws, Wire Tapping Laws, Phone Phreak Boxes, and How-To Projects...

Review by Eben Brown

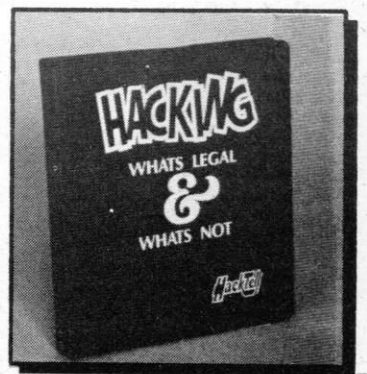
If you really want some interesting reading, I heartily recommend this heavy 3 ring bound tome. It's called *Hacking: What's Legal & What's Not*. We picked up 195 of them at a liquidation price because the author/publisher had quit to join the military and work in computer sciences!

The basic tenet of the book is to explain all of the laws relating to computer/modem use. However, in order to explain the laws, a description of the various possible crimes is necessary... and therein lies some real, can't-put-it-down reading! I was intending to scan the book to come up with a rough description. Instead, I spent an hour and a half reading about the various types of Phone Phreak boxes, Trigger, Phone Tap, Data Converter, and Tap Indicator Circuits.

Equally intriguing are the stories of how major computer systems were broken into, the innocuous ways that hacker's gather information, and the relative ease of access to such information. Finally, there's a very useful state by state directory of bulletin boards and Network access numbers.

Quite a bit of the information in this book is actual criminal technique. Is it ethical to sell such stuff? Well, ethics and laws haven't kept the information out of criminal hands. I see no reason to hide it from good citizens who might use it to protect themselves. We have only 195 copies of this and it's out-of-print. When they're gone, that's it. So if you want a copy, do get your order in right away!

127-109 Modem Criminal Bible 4 lb. \$12.95



PageStream v.1.52 Is Awesome

Programmers, Publishers,... Even EABCO Finally Vindicated!

Review by Eben Brown

Anyone who has followed the Professional *PageStream* desktop publishing story knows it got off to a bad start. Advertised too early, the publisher felt a lot of pressure to ship something and some basically not bad, but unfinished product ended up getting a bad reputation.

Well, forget that rep because the currently shipping 1.52 version is absolutely awesome. I used it extensively to type-set and layout most of this catalog and I'm just continually thrilled with each different feature I try.

The number one big feature is *PageStream*'s scalable outline fonts. The program uses just one font file to generate screen and printer fonts in practically unlimited point sizes. You will have no "jaggies" no matter what size type you print or what printer you use. Which brings me to my next point: *PageStream* prints on practically anything... 9 pin dot matrix, 24 pin dot matrix, HP Laser, Atari Laser, PostScript Laser,... even Super High Resolution Linotron and more!

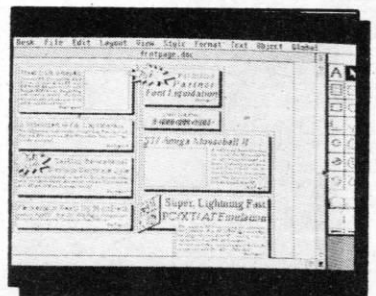
Creating documents is easy. Write them with your favorite word processor and then

import the text into *PageStream*. Import IMG, IFF, DEGAS, or NEO graphics, too. Point and drag your columns to the size and position you want. Stick an object into a column and watch your text run around it nice and neat. View or print your work in practically infinite enlargement or reduction... just enter a percentage and *PageStream* does the rest. Forget limits on font sizes. You can set fonts for 1/50th of a point all the way up to 1310 points... in 1/50th increments! And if you're working on a page that's too big for your printer... *PageStream* will print it in tiles... so you can overlap them pasting up the final galleys.

Designed for everybody, *PageStream* works on all Atari STs (even 520s) or all Amigas (even 500s). And at our low EABCO price, you simply can't afford not to own it. Order your *PageStream* today!

413-420 ST *PageStream* 3 lb.
413-421 Amiga *PageStream* 3 lb.

Our Price Only \$119.95



NOTE: You may want to take advantage of our Font sale on page 13. This version 1.52 has a converter to allow you to use those fonts easily!

ST & Amiga MouseBall II

Review by Eben Brown

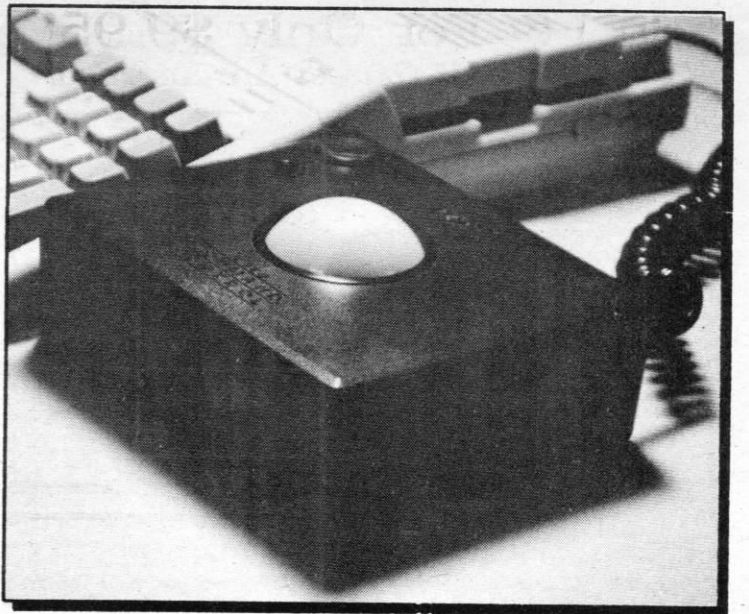
Our *MouseBall II* replaces your space gobbling mouse with a stationary rolling ball! It moves freely in all directions just like your mouse... but it only takes up 5 X 6 inches on your desk. Roll in ANY direction and your screen pointer/cursor moves that way... just like your mouse. How does it work?

The heavy ceramic ball rolls within it's stationary holder and sensors pick up it's every movement. Roll it up, down, sideways, or in any diagonal direction and your cursor or game character moves those directions on your screen.

Not a *Trac-Ball* Mouseball is not simply another type of joystick. It's a true mouse emulator... doing exactly what a mouse does. It sits right next to your keyboard and has two buttons like your mouse. But it doesn't require the moving space of a mouse.

Use your *MouseBall II* with any mouse supported program or game. It's built to heavy industrial standards and will last probably longer than your computer! Order yours today!

340-400 ST Mouseball II 3 lb.
340-401 Amiga Mouseball II 3 lb.
Our Price \$39.95



Ultimate Space/Flight Simulator

New Amiga/ST Starglider II Is Totally Awesome... Super Smooth!

Review by Eben Brown

As I fly above the landscape of the planet's surface, I can see structures, embattlements, even a weird connection of towers with something like welding arcs zapping between them... they look kind of like suspension bridges. If I

zoom down low, I can almost touch the ground. Pull back on the stick (or the mouse) and I quickly gain altitude. Bank left and right and the landscape below shows my movements. Now, I want to get out into space. I pull back on the

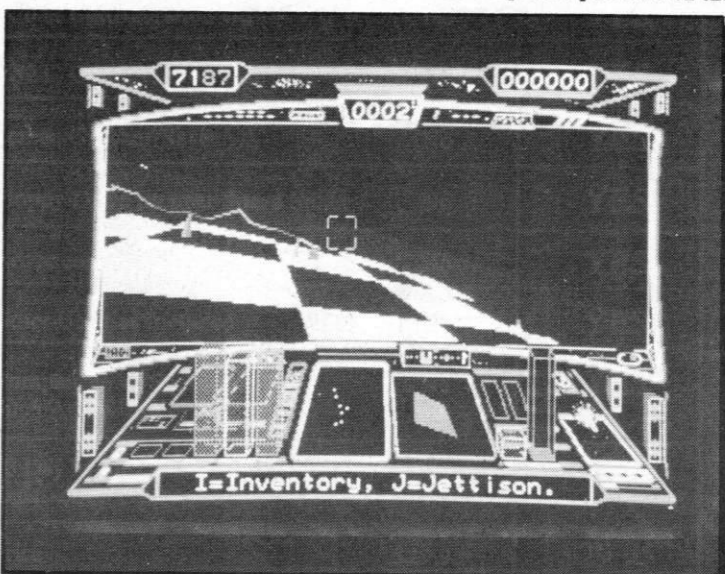
stick and the nose comes up high above the horizon. I hit "D" to engage the Stardrive and whoosh... I'm moving! Quickly the front view changes and I'm in some sort of solar system. I press "D" again to disengage the stardrive and come to an acceptable cruising speed.

Suddenly my cockpit surveillance system warns of a "Pirate" fighter ship approaching. I go full stick left to bring the ship around to see if I can locate it. Nothing! I can see it on the scope now, still no visual. Oh my! There it is... can't get on it, it's gone. No, there's another one. Got the ship around and am following it. Too fast. I increase speed and seem to gain on it. Yes, now I have it in the cross hairs... FIRE! Holy...! It literally exploded. I can't avoid the debris and am flying right through it. Hope no damage was done to my ship.

Well, there you have my first mission with *Starglider II*... without reading much of the manual and without knowing the object of the game. I was completely overwhelmed by the realistic graphics, sound, and most importantly the reaction time of the computer. *Starglider II* is for color Amiga and Atari ST computers... both from the same disk, believe it or not. You won't be sorry you ordered this program.

225-400 Amiga/ST *Starglider* 1 lb.
(Same Disk Runs On Both Machines)

Our Price \$34.95



MacWrite™ On Atari ST?

New WordUp™ Displays and Prints Exotic Fonts and Graphics

Review by Eben Brown

Remember when they came out with the Atari ST and said it was "As good as the Macintosh"? By now I'm convinced it's actually BETTER than the Mac... but I HAVE wished for that fancy MacWrite-type of word processing. If you've had the same wish, WISH NO MORE! The new WordUp and Fontz software on your Atari ST actually meets and beats all of the features of MacWrite on the Macintosh.

First the familiar features: On your screen, you see your fonts displayed as they will appear on printout... same size, same style. Click and drag your mouse to highlight a portion of text. Then, pull down a menu and change the font or style of the text. Make it bold, light, skewed, outline, strikethrough,

super and subscript, single, double or broken underlined. Change the size from 8 to 48 point in Helvetica, Times, or Courier-like type fonts (More fonts are available-See below). Use your mouse to drag the margin, tab and indent markers to position with the on-screen ruler. SEE all of your changes as they will appear on printout...right on your screen!

Want to include a picture? WordUp can import DEGAS, Neochrome and .IMG formats. Not only that: Where ever you position your picture, your text will automatically flow around it (let's see MacWrite do THAT!) WordUp carries this wonderful process quite a bit farther than the venerable MacWrite ever did.

The text-around-pictures flow feature is pretty neat...to be sure. But so is the remarkable way it handles footnotes. As you create them, they appear right on the screen... same page and same layout as they will be on printout. Number them manually or let WordUp do it automatically. Of course you can expect regular word processing features from WordUp as well: Block functions, search and replace, automatic reformatting, word wrap and pagination, spell checker and thesaurus support, ASCII importing and exporting (yes, it's compatible with INDEX V), left, center, and right justification, left, right, center, and decimal tabs, go to page function, etc.

Type Font Information

WordUp comes with the fonts named above. It uses GEM fonts and GDOS, so DON'T expect Publishing Partner Fonts to work with it. You can get six more fonts in the add-on FONTZ package. These are: Old English, Black Shadow, Boise, Bigtall, LCD, and Keytops. FONTZ itself will let you design your own fonts or convert actual Macintosh fonts for WordUp compatibility. The GDOS font format uses considerable memory. Though it isn't absolutely necessary, we do recommend upgrading to 1 or more megabytes of RAM if you don't already have it.

Settle for More!

If you've been waiting for MacWrite features to come to the Atari ST, I'm very sorry. You're just going to have to settle for MORE than that! WordUp is so much more... Order your's today.

322-201 ST WordUp 3 lb.
List \$79.95 Our Price \$49.95
322-200 ST FONTZ 1 lb.
List \$34.95 Our Price \$22.95



Amiga/Atari ST Products

New For Atari ST and Amiga

Adventure Developer's Kit

TaleSpin Creates Interactive Comic Strips



Review by Eben Brown

Who among us hasn't dreamed of writing a hit adventure game program and becoming rich and famous? Well, if that's your goal or maybe if you only want to do it for fun, our new TaleSpin software is the ticket!

TaleSpin is a complete Adventure Game Writer's Development Kit. It imports touches up and manipulates both DEGAS and Neochrome graphics. Even handles digitized sound. The pages of your adventure become what I like to call "Interactive Comic Strips". By that I mean,

you click on a character and a speech bubble with his dialog in it appears. If he has to make a decision, you click on the choice you want. The next picture page shows the result of that choice... you actually interact with and direct the story!

If you'd like to try your hand at adventure writing, order TaleSpin today! We expect to have TaleSpin in stock sometime in March. 250-722 ST TaleSpin 2 lb.

250-723 Amiga TaleSpin 2 lb.
List \$99.95 Our Price \$64.95

Amiga/ST Dungeon Master... \$24.95

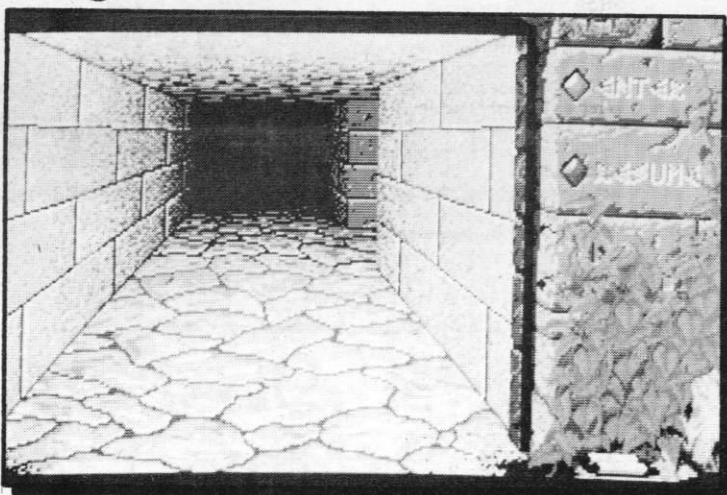
Review by Eben Brown

I could tell you about the beautiful graphics of Dungeon Master and never do it justice... they're better than words can tell. I could describe the caliber of play, the intricate plots, the thrill of victory... agony of defeat and still not impart the feel of actually playing. So how am I to convince you that this is the dungeon fantasy that you should buy?

Fortunately, I have a lot of help! Magazines are giving Dungeon Master excellent reviews. It's selling like hot cakes, and fellow ST and Amiga owners are extolling its virtues by word of mouth. In other words, all you have to do to find out how good Dungeon Master is is ask a friend who owns it!

Dungeon Master has set a new standard in dungeon fantasy games... Order your's today!

280-202 ST Dungeon Master 1 lb.
280-203 Amiga Dungeon Master 1 lb. (1 Meg Req)
List \$39.95 Our Price \$24.95



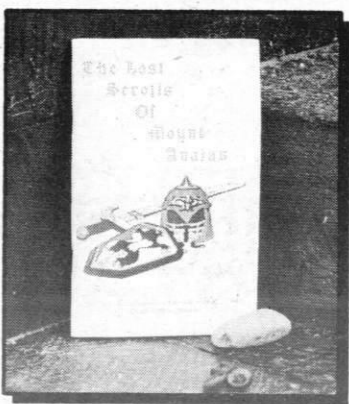
How To Win At Dungeon Master

Review by Eben Brown

The Lost Scrolls of Anaias is a beautifully illustrated book that shows you how to master Dungeon Master without spoiling the game. It's divided into three sections. Section one helps you organize and provision your party for the quest ahead. It gives some general hints for getting around in Dungeon Master to save you some silly mistakes... but it doesn't give away the game. Section 2 gives you detailed maps of the Dungeon without revealing any puzzle solutions or exact locations of useful items. These maps contain hidden rooms and areas not shown on any other Dungeon Master maps available. All are oriented so that the top of the map faces north. As you can see, sections 1 and 2 are designed to give you all of the tools to win the game... without giving

you the solution. We wouldn't want to make it too easy... yet! Section 3 of Lost Scrolls of Anaias is sealed with a removable tape to keep you from accidentally peeking. When you're ready for exact solutions and a walkthrough from start to finish, break the seal and find the answers in section 3. What to do and where to go at each level is described completely and you'll be able to win the game! We've seen several other hint/solution books for Dungeon Master and all of them have been good. But, Lost Scrolls of Anaias is so well organized, attractively illustrated, and detailed (106 pages with index) it was the obvious choice. You will definitely enjoy this book!

430-400 Lost Scrolls of Anaias 1 lb.
Our Price \$9.95



Amiga/Atari ST Developer's Kit

Everything You Need To Program In Assembly Language

Review by Eben Brown

The Devpac2 system is built around a philosophy that all parts should be integrated. Why edit, assemble, de-bug, etc.... with different utilities? Devpac2 gives you a 68000 macro assembler, a complete screen editor, a powerful disassembler and debugger, and a fast linker... all in one package.

The assembler works at a lightning speed of 70,000 lines per minute. You'll have practically no waiting for average assemblies. Special features include local labels, MetaComco compatibility, and superb listing control. With its full featured file selector, block marking, easy reconfiguration, the editor is also faster than others. The debugger has to be seen to be believed. It has multiple windows, conditional breakpoints, a complete expression evaluator, disassembly to disk

"The assembler works at a lightning speed of 70,000 lines per minute..."

and more.

Of course there are differences between the ST and Amiga versions of Devpac2 which take advantage of each machine's special features. However, either version is THE top drawer developer's system available at a reasonable price. Order your's today!

250-716 ST Devpac2 2 lb.
250-717 Amiga Devpac2 2 lb.
List \$99.95

Our Price \$64.95



ST Dungeon Master Editor

Did You Die? Edit It Out And Continue Play!

Just in recently, our all new Dungeon Master Editor for the Atari ST actually allows you to modify the game! A classic example is where you might make a wrong move and get killed. Instead of having to start all over, just use the Editor to remove your mistake and you can continue the game! Many other uses can be made of the editor... find out what's up ahead, etc. If

you've played Dungeon Master long enough, you're bound to wonder what makes it tick... Use this Dungeon Master Editor to find out!

Now, some may call this a game cheater's disk? So what? Let 'em call it anything they want. You'll be the resident EXPERT on Dungeon Master!

280-667 Dungeon Master Editor 1 lb. \$19.95

Dungeon Master Guidebook

The Definitive Reference for DM Enthusiasts!

Okay Dungeon Master Enthusiasts... Here is the help you've been waiting for. Our new DM Guide will give you as much or as little inside information as you need. Included are maps of all locations and levels, hints and puzzle solutions, descriptions of all 14 levels giving number and types of monsters and listing a full set of solutions to puzzles. Along with descriptions of the monsters, you also get tips for doing battle with them and winning.

The maps are an especially good value. Spiral bound, they line up over each other perfectly for viewing with a back light to see what is directly below each level. They also show locations of all treasure, secret buttons and levers, secret walls, doors, locks, coin slots, transporters, pits, pressure plates, turning fields, alcoves with treasure, alters of life, and stairways.

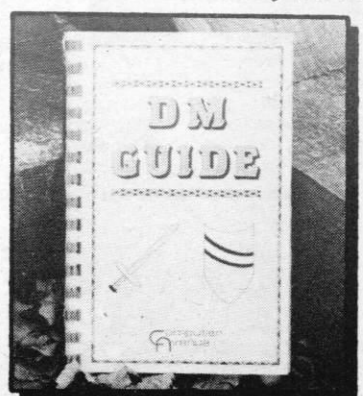
And there's more! You'll get a genuine parchment list of Spells, a complete list of objects found and their properties, a complete list of the attributes, skills, and important possessions of all 24 characters, and a treatise on the effects of Spells, whether by priest or wizard, if a flask is needed, and if it is temporary.

This DM Guide is the essential must-have

companion for your Dungeon Master game. Order your copy today!

127-379 DMGuide (book) 1 lb.

Our Price Only \$9.95!



DM Guide

Amiga TAILGUNNERS PICKS

PD2-112 AmigaOffice-1 \$6.00

Complete productivity package including: *WordWright62* full featured word processor, *AmigaSpell* spelling checker, *MailManager* mailing list program, *SCalc* spreadsheet, *Black Book* address database, *Calc 3.0* scientific, programming, and graphing calculator, and *MortGauge* payment calculator. You even get *Typex*, a utility that turns your Amiga/Printer system into a print as you type typewriter. A complete file of *WordWright62* compatible form letters is also included. Quite a value!



PD2-100 AmigaGraphics-1 \$6.00

A complete Patrick Nagel art show. Beautiful reproductions of 18 full color pictures, displayed in hi-res interlace mode. Slide show and print utilities are included. I don't think these are digitizations... they're so clear and crisp.

PD2-101 AmigaGraphics-2 \$6.00

A collection of computer art and Dungeon Game-type fantasy pictures with slide show utilities.

PD2-110 AmigaGraphics-4 \$6.00

Two space oriented slide shows. Space-1 was digitized at NASA and deals with the Shuttle and Space Station illustrations. This is quite an extensive slide show... many scenes. Space-2 is a collection of illustrations and photos of astronomical objects.

PD2-111 AmigaGraphics-5 \$6.00

A collection of MacPaint picture files and the *MacView 1.2* program. *MacView 1.2* allows viewing, printing, and converting MacPaint files to Amiga compatible .IFF format. It also makes .IFF format compatible with MacPaint. So, your poor friends who own a Macintosh can exchange pictures with you! A special bonus is a series of drawings inspired by the Larry Nivens classic, "Ring World".

PD2-108 AmigaComm-1 \$6.00

Seven terminal programs for using a modem and telephone with your Amiga: *Access*, *AmicTerm*, *Comm*, *StarTerm*, and *ACO* are regular modem programs. *HandShake* and *VT640* are DEC terminal emulators. Try them all and learn what features you like best.

PD2-109 AmigaGraphics-3 \$6.00

A collection of ray traced pictures. Mathematically calculated light rays give amazingly complex results with reflections and shadows. Includes *AUTO.PIC* for a manual advance slide show. And, *SuperView* for loading and viewing pictures individually. Requires AmigaGraphics-2 disk.

Specialty Selected From BBS's Around The Country

Amiga Shareware Collections \$6.00/Each! The "Best Of The Best" Found, Tested, Sorted, and Combined... For You!

Review by Eben Brown

You don't need a modem and expensive long distance bills to enjoy top quality Shareware and Public Domain software on your Amiga! Our *Tailgunner's Picks* are hand-picked, "Best of the Best" Shareware acquired from BBS's and other sources around the country.

Take a look at the screen photos and descriptions and you'll see how good Shareware can be. Each disk contains the programs and utilities listed in its description and is designed to run on all Amiga computers.

We'd like you to understand that we're not selling the software on these disks. It's Public Domain/Shareware and you can download individual titles free from BBS services... if you want to spend a lot of time, effort, and telephone money doing it yourself. What we're selling is the service of downloading the software, weeding out all of the stuff you wouldn't want, keeping the best, sorting it into like-subject disks, and proof testing it. A lot of effort and expense is involved. So, we charge a \$6 per disk

copy fee. At these low prices, we can't guarantee anything other than that the disk will work and not be defective. Our technical assistance is necessarily limited to getting you up and running. When ordering, be sure to use the special "Tailgunner's Picks Shipping Chart" for figuring shipping charges.

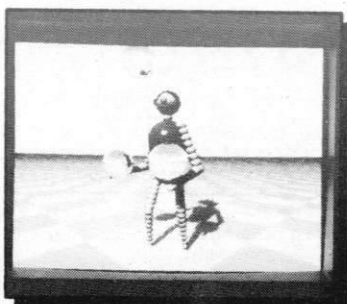
Amiga Tailgunner's Picks is an enormously good value. Order your disks today!

PD2-106 AmigaSound-2 \$6.00

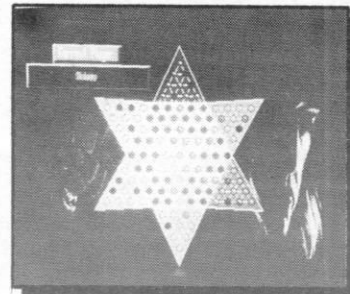
A collection of sound files and the *Perfect Sound* program. Great for seeing how sound digitizers work and for sampling and modifying sound files.

PD2-107 AmigaMation-1 \$6.00

The animated graphics demos made famous by the Amiga. *Boing* is the bouncing checkered ball. *Juggler* is that amazing mirrored ball demo created through sophisticated light ray tracing. *RoboCity* is one of the original Amiga graphics demos. *ARM* is a robot arm animator that YOU control. And, *ROT* allows you to do some of your own design and animation.



Order Toll Free
1-800-322-4405
Orders Only Please

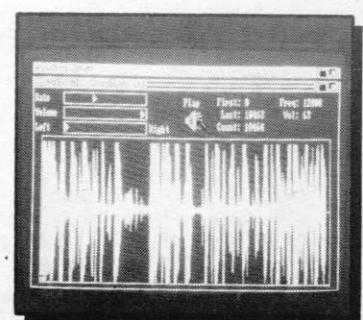


PD2-104 AmigaGames-3 \$6.00

Contains 3 excellent games. *Battle Ship* is a computer version of the popular board game. Your Amiga talks and give great sound effects with this one! *Maria* is a huge adventure game similar to Larn or Hack. *Life3D* is a 3 dimensional version of the famous Life Pattern game.

PD2-105 AmigaSound-1 \$6.00

A collection of 13 sound files and the *MakeSound* program. Hear and modify the sounds of an airplane, the "Churchlady", the Alien movie sound track, the Star Wars sound track, a train, and several more. See how a sound manipulator program really works!



PD2-102 AmigaGames-1 \$6.00

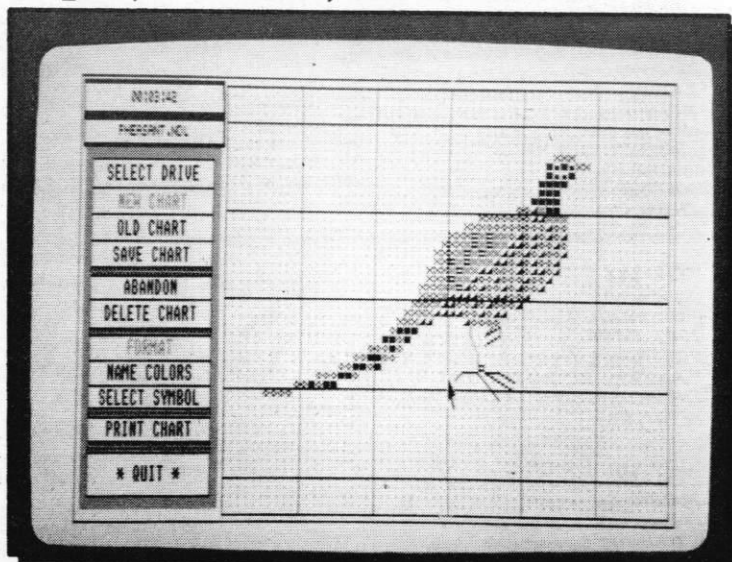
This disk contains 6 great games. *Cycles* is like the Light Cycles game in the movie TRON. *Cosmo2* is a terrific Asteroids clone. *Chinese Checkers* is a computerized version of the old time favorite. *MasterMind* is an addicting logic game. *TTT* is 3 dimensional Tic Tac Toe. And *YahtC* is a computerized version of the well known dice game.

PD2-103 AmigaGames-2 \$6.00

This disk contains 7 great games. *Amoeba Attack* is like Space Invaders. *Bull Run* is a civil war battle simulator. *Connect4* is a computer version of the popular parlor game. *Flipper* is like Othello with a computer opponent. *Jack Land* is a humorous adventure game. *Super Brick Out* is like BreakOut only in 3 different variations. Finally, *Galactic Worm* is a gobble-gobble maze type arcade game. All great fun!

Atari ST Products

NeedleWork-ST The Stitchery Machine Designs and Prints Needlepoint, Cross Stitch, Bargello, Cross Hook, and Related Patterns...



Review by Eben Brown

NeedleWork ST is a commercial quality design program for creating intricate needlecraft patterns. The basic process uses symbols to represent thread colors. These symbols are then plotted onto a grid by

simple point and click movements of your mouse. The real POWER of *NeedleWork-ST* is in its ability to manipulate your designs to make simple work of complicated subject matter.

For example, when you set up your grid as either rectangle or square, you also select one of 4 "Auto-Symmetry" modes. These cause duplicate symbols to be plotted in symmetrical grid quadrants (as many as 8-way mirrored). Further, such a plot can then be captured in its entirety and placed in a larger design that uses the Auto Symmetry to duplicate it into even more quadrants. As you might guess, such a design feature can be utilized for anything from elaborate Kaleidoscopic patterns to repetitive background scenes.

The capabilities of *NeedleWork-ST* are many. Center guides can go between threads or in the middle of them. You can custom select colors for your plot symbols. Your can erase as well as plot. Guidelines can be re-drawn if they don't suit you. There's a Mini-Previewer that shows your entire pattern in one frame. An automatic HELP screen is available at the press of a key. And of course, the information panel keeps you aware of what modes you are in at all times.

Special tools are in many ways similar to Paint-type programs. For example, you can change your plotting pointer from a 1X1 to a 1X4 for Bargello patterns... Or make them custom sized. You can plot back stitching. You can use mirrors, flips, and rotations. You can copy, move, erase, or rotate blocks (or areas) of your pattern. A special Snapshot feature allows you to take a DEGAS compatible picture of your pattern for use in other graphic situations (such as desktop published instructions for sewing your pattern!). There's even a Search and Replace feature to allow you to change a symbol (color) that isn't working out right in the pattern. When all is done, you can print your needlecraft pattern with either a 9 or 24 pin Epson compatible printer.

With design capabilities rivalling commercial systems, *NeedleWork-ST* may be your ticket to the multi-million dollar needlecraft supply business. On the other hand you can have a great deal of satisfaction and enjoyment just doing your own patterns or making them up for friends. Or maybe it's just the thing to get your spouse or children interested in computing? Lesser programs cost much more on other computers. Why not order your *NeedleWork-ST* for the Atari ST today? (Works with color or monochrome ST systems).

127-110 NeedleWork-ST 1 lb.

\$29.95

This Week's Exciting...

Word Jumble Puzzle

Find And Circle The Hidden Words!

B	N	A	E	M	E	A	E	E	E	G	O	I	O	N	A	E	A	I
T	L	A	E	U	A	O	E	X	E	O	M	A	E	O	P	U	R	Q
A	L	L	E	N	U	E	U	I	S	D	N	E	I	O	X	E	O	Q
T	E	E	E	A	E	E	V	U	G	T	T	E	D	I	Y	A	F	N
R	M	Y	A	X	L	L	S	R	O	D	O	O	E	A	J	I	T	L
O	U	Y	B	W	E	E	P	I	O	A	C	S	R	E	N	M	C	D
P	I	O	S	L	E	S	A	R	U	E	B	M	Q	L	B	I	R	S
A	C	E	Y	E	I	V	R	E	O	R	E	T	U	T	P	A	M	C
M	E	G	A	B	Y	T	E	E	E	E	R	E	I	V	O	A	H	S
D	O	H	E	R	N	D	T	E	D	I	V	K	K	B	E	L	K	I
B	I	N	C	S	O	M	N	E	H	I	S	O	Y	U	I	P	I	D
D	E	S	O	G	Q	A	T	A	R	I	M	E	G	A	F	O	U	R
Q	O	L	L	C	X	K	E	D	D	D	K	E	U	A	Y	G	P	I
G	J	I	O	E	H	U	D	Y	U	I	E	G	S	P	O	O	L	V
L	C	U	R	E	O	R	P	A	D	M	O	R	N	I	S	O	T	E
N	Q	R	L	M	A	P	O	Y	Q	U	M	U	S	M	C	W	E	L
J	S	E	N	H	O	A	B	M	A	K	G	M	L	T	A	L	I	P
E	T	E	S	L	A	E	Q	G	E	W	C	A	Y	A	R	Q	L	O
E	U	T	F	D	S	E	R	E	A	N	O	I	O	T	E	Y	N	M

Find These Atari ST Vocabulary Words

ATARIMEGAFOUR
BLITTER
COLOR
DMAPORT

FLOPPYDISK
HARDDRIVE
✓KEYBOARD
MEGABYTE

MIDI
MONOCHROME
SCSIDRIVE
TOSINROM

Make Word Puzzles... For Fun And Profit!

You've seen the "Word Jumble" puzzles in the funny pages of newspapers? Well, now you can make your own puzzles for fun & profit using your Atari ST computer! *ST WordQuest* is a unique application in that you give it a vocabulary of words, tell it which types of orientation to use, and then just let it go to work for you. What it'll do is fit your words into a jumble, crossing over each other in various directions, and then fill in the remaining spaces with random letters. If you don't like how it comes out, you just tell it to re-figure and you get a completely different puzzle with the same words! Use *ST WordQuest* to design word jumbles for your kid's weekly spelling words. Use it

to spice up a newsletter with custom terminology. Or, call your local newspaper and hire out your services for a local daily or weekly jumble. All you need are the words and you can assemble a jumble puzzle in just a few minutes!

Your Jumbles can be as difficult or easy as you want. With adjustable grid sizes and selectable vertical, horizontal, and diagonal positioning, they can be configured for adults as well as children. Printout to Epson compatible printers is supported too. *ST WordQuest* is a valuable addition to any Atari ST system. Order yours today. 279-200 ST Word Quest 1 lb. List \$29.95

Our Price \$19.95

"World's Handiest Computer Program..."

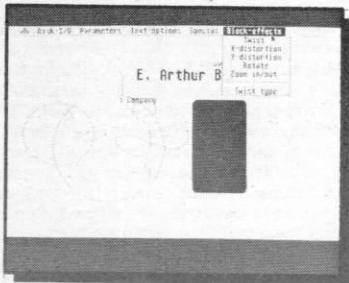
FINDEX V

Put FINDEX V into your Atari ST, IBM PC or compatible, or Amiga and you have practically everything you need to be an efficient computer worker. You can put your name and address files into it, include memos and notes on those files, keep a daily diary or appointment calendar, keep an inventory quick reference... even write letters. All from one program. All in the same file. All easily found in 2-8 seconds by merely typing what you're looking for. FINDEX V may be the world's handiest computer program. Certainly no office worker, sales rep, or executive should be without it. For more information, see page 3.

Atari ST TAILGUNNERS PICKS

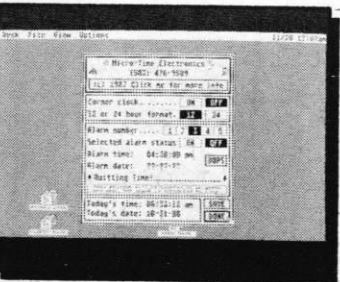
PD3-100 STPAINT-1 \$6.00

MASTERPAINT. Complete shareware paint/draw software by Klaus Schroiff. Color and Mono supported. Docs in German, Menus in English.
PAINTLUX. Complete shareware paint/draw software by Dieter Meyer. Mono only. Docs and menus in German.



PD1-100 ACCESSRY.001 \$6.00

ALARMCLK. Set several alarms for yourself, and/or display the digital clock in the corner of the screen. Completely user configurable, color or mono.
AN_CLOCK. Check the time by clicking on this accessory to see the analog clock, hands and all.
CALENDAR. Spiffy little calendar pops up when you click on this one. Today's date is highlighted and you may view forward or backward by month or year.
CARDFILE. Electronic 3X5 cardfile at your fingertips.
CLI. Extensive command line interface as an accessory.
DISKMAN. Any and all disk functions available to you with a single click.
DI_CLOCK. Click on this one and a nifty digital clock appears.
FORMAT11. Formats 11 sectors per track (9 is standard). Allows more data per disk.
FRE_RAM. Checks available RAM and displays on screen.
GEMTERM. A simple but useful terminal emulator so you can go on-line anytime with a few mouse clicks!
GETDEFS. Sets colors without need for control panel.
MEGA WAT. Multifunction desk accessory (unfinished but still great).
MELT. Interesting. Click on this one and watch the desktop melt away.
MOBZUTIL. Disk functions at your fingertips.
NEWCTRL. Atari's January '88 version of the CONTROLACC.
NOTEPAD. Simple but useful notepad.
NOTEPAD2. Similar to above, but different.
PRINTS. Sets your printer up the way you want it anytime.
PROCALC. Best programmer's calculator we've seen. Great for non-programmers too.
PWACC. Your password will allow no one else access to the files on your hard drive.
SCHIZO. Multi-function desk accessory.
SCRSaver. Turns screen off if you leave your computer unattended.
SI_RAM. Best accessory ramdisk/print spooler yet!
TIS9CALC. Looks and works like famous TI59 calculator.
TINYTOOL. Memory/disk editor for the curious.



PD1-103 SPEC 512.001 \$6.00

Spectacular color slide show with a space theme. Pictures are Spectrum 512 format.

PD1-104 SPEC 512.002 \$6.00

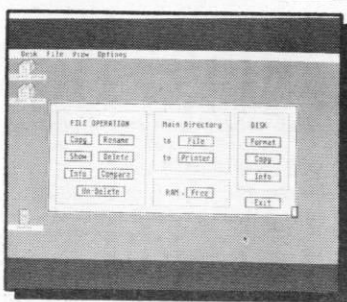
Terrific color slide show with general theme. Pictures are Spectrum 512 format.

PD1-105 SPEC 512.003 \$6.00

Another great color slide show including "Blade!", "Cobra", "Killer" and others. Pictures are Spectrum 512 format.

PD1-114 TINYPICS.001 \$6.00

Terrific color slide show featuring 18 pictures (including daffy duck, donald duck, Garfield and others) in .TNY file format. Included are shareware TINYVIEW slideshow program, TINYSTUFF picture compressor, and docs.



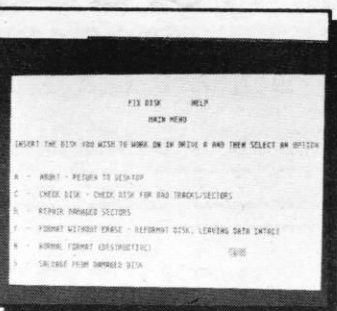
PD3-103 STACCESSORY-2 \$6.00

(NOTE: All run in color AND monochrome unless otherwise noted)

MINIDOS. Several disk, file, and memory facilities in one window.
NEWWORD 400. Desk accessory text processor, Incl. alarm and calendar.
WPTOOLS. Accessories for 1st Word. Alarm, word count, free RAM, format, disk accelerator, 800K formatter, undelete, screen blackout.
XUTILITIES. Format, copy, repair damaged disks. Configure printer and keyboard.
CALCULATOR. Exceptional scientific calculator. Accepts key or mouse input.
BREAKOUT. Breakout game in accessory form.
LOUPE. Like Mac "Fat Bits". View screen dot by dot.
PUZZLE. Slide the pieces-type puzzle.
RD1040. Automatic 360K RAM Disk for STs with 1 or more meg RAM.
GOODIES. 64-768K RAM disk, directory printer, time/date setter, backup, undelete, and filecopy.
DISCQ. German 80/82 track formatter.
MINOS. 3D maze game... find exit or watch computer find exit.
OTHELLO. Now play it as a drop down accessory!

PD3-104 STMONOSLIDE-1 \$6.00

A collection of 17 monochrome screen images demonstrating Tom Hudson graphics software as well as a few other screens. Includes shareware TINYVIEW program for slideshow display and TINYSTUFF for NEO, Degas picture compression. For monochrome systems only.



PD3-101 STUTILITY-3 \$6.00

This disk for color or monochrome systems.
PICSWITCH. Shareware for changing picture file formats.
REASONABLE DISK COPIER V2. Volume production disk copier utility.
GEMINDEX. GEM developer's references.
IBMDRIVE. German stepper/formatting software.
FIXDISK. Checks, Repairs, Non-Erase Formats, Salvages Data.
TWISTER. Shareware formatter. SSDD to 450K. SSDD to 800K.
RECOVER. Recovers deleted files.
MAXIDISK. German RAM Disk.
SECTOR EDITOR. Disk Sector Editor.
SPOOLER. 30K print spooler.
GFA BASIC CONVERTOR. Converts Microsoft and ST BASICs to GFA BASIC. Docs in German. Requires GFA BASIC.
COPYDISK. Easy disk copier.
EXFORMAT. Allows formatting of specific disk tracks.

PD1-106 CPM ST.001 \$6.00

Full implementation of the CPM operating system on your Atari ST. Complete with documentation and lots of example programs.

PD1-107 GAMES.001 \$6.00

Includes Krabat chess, Megaroid, Poolgame billiards, Wheel of Fortune (like the TV game) with extra puzzles, Mazemaster multilevel maze game, and Mazer24 maze generator. Some of these color or mono only.

PD1-108 GRAFDEMO.001 \$6.00

Terrific graphic demonstrations of fractals and animated birds in flight. Also has a "Movie" file which is missing it's animator... I think it's on one of the other GRAFDEMO disks. Color Only.

TailGunner Goes International

Adds Powerful Shareware From Europe... Still Just \$6.00 a Disk!

Review by Eben Brown

Over the past few months, we've managed to make some contacts with European Shareware and Public Domain sources and I have to say I'm IMPRESSED. Some of the applications, accessories, and utilities can be found in our latest additions to our TailGunner's Picks line. These are: STPAINT-1, STUTILITY-3, STUTILITY-4, and STACCESSORY-2. We've also added a monochrome slide show, STMONOSLIDE-1 for those of you with monochrome monitors who've missed out on our other slide shows.

In keeping with our "Best Of The Best" policy for TailGunner's Picks Shareware and Public Domain, please rest assured that these disks contain no repeats nor DOA (Dead On Arrival) programs. All have been tested and approved for distribution and you won't

be paying for something twice.

I use the terms Shareware and Public Domain separately for a reason. Public Domain software allows you to do whatever you want with it... for free. Shareware is basically "free trial" software. The documentation that comes with it usually asks for a donation if you like and use it. You'll find that usually it's the Shareware that is of best quality. Please support these programmers so they'll continue to put their products up for free trial.

Also, please understand that we are not selling the software on these disks. And as such, we can't guarantee anything other than that the disks won't be defective. Our technical assistance capability is limited to getting the disk booted and running... not how to work the programs. What we are charging for

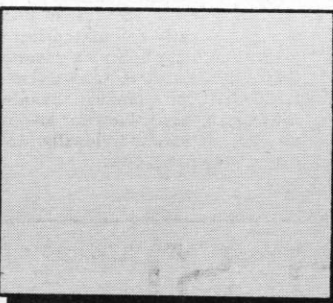
is our service of finding good software, weeding out bad or redundant stuff, collating it into similar subjects, and assembling it all into comprehensible single sided 3.5" diskettes. It takes approximately 10-15 disks worth of Shareware and PD to make up one TailGunner's Picks disk! If you have a modem, you can download the very same software free from various BBS services around the country. But, you'll pay for it in access charges, long distance charges, and effort as you try to find what you want from a basically un-organized system. TailGunner's Picks are much easier and much less expensive! Why not start your collection today! (Be sure to use the special "TailGunner's Picks Shipping Chart" when ordering).

PD1-112 MIDIDEMO.001 \$6.00

Complete MIDI disk. Includes public domain MIDI sound demo, working demo of Midisoft Studio, MIDI spec to learn how MIDI works, MIKYTRAK demo of player, and MSMIDI editor for editing Music Studio songs.

PD1-113 MISC.001 \$6.00

A conglomeration of neat items: BRDTERM talking terminal, CNVGIF for converting compuserve GIF picture format, DEGADISP for displaying Degas pictures, IFFSPC converts IFF to Spectrum 512, KISSTERM working demo of terminal program, RLE_VIEW for viewing RLE pictures, STSPEECH makes your st say what you type, and UNITERM full featured terminal program.



PD1-109 GRAFDEMO.002 \$6.00

Neat animated graphics show the spinning earth (1 Meg systems only), spheres, more flying birds, and the EASYL demo... have a picture as your desktop. This is a demo, EASYL is a commercial program. Disk for color systems, only.

PD1-110 GRAFDEMO.003 \$6.00

Famous VIDBOINK light ray traced animated graphic demo. Requires one meg of RAM and color.

PD1-111 GRAFDEMO.004 \$6.00

Famous JUGGLER light ray traced animated graphic demo. Also has the BUBBLE light ray traced animation. Requires 1 meg of RAM and color.

PD1-101 UTILITY.001 \$6.00

410KFRMT. Formats disks at 410K per side.
ACCLOAD. Auto folder program to allow selection of accessories at boot-up.
ARCHIVE. Complete archive (file compression) system with documentation and GEM shell.
AUTODAT2. Auto folder program prompts you for time and date at boot-up.
BYTETREE. Tells you how much RAM space remains.
CONTENTS. Lists all files, folders, and files within folders to disk .TXT file.
DCOPY19. Great command line utility with many features.
DISKLABL. Prints disk labels with contents of disk.
DISKMECH. Very nice disk editor and utility.
DISKTOP2. Great disk librarian. Sorts, searches, etc., reads directory (no typing).
EPSONSET. Auto folder program to set screen dump for Epsoms & compatibles.
ETERNAL. One of the very best reset-proof RAM disks.
FORMAT3. Formats disks for faster reading.
MEGAM115. Auto folder program for reset-proof RAM disk, print spooler, and more.
PCOMMAND. One of the best command line interpreters.
PRINTDIR. Prints entire contents of disk on a single sheet of paper.

PD1-102 UTILITY.002 \$6.00

AUTOPSY. Find out what went wrong after a crash.
COLOR512. Edit your own pictures with a separate palette for each of the 200 scan lines in low rez.
DE_ARC. Makes un-arc'ing files a snap.
DIR. Gives complete directory information.
DISKCAT. Catalogs the whole disk.
DISKLIB. Simple but useful disk librarian.
FILEFIND. Locates the file for you.
LOADRAM. Puts what you want on a RAM disk for you at boot-up.
LOANALALY. A very nice loan analysis program.
LOOKER. Picture viewer with multi-resolution talents.
MEMORY. Memory jogger keeps notes, etc. for you.
MENUKIT. Construct your own menu so you can run any GEM program on the disk by selecting from the menu.
SHOWME. A worthwhile utility for viewing files on the screen.
SHUFFLER. Makes moving files around on a disk simple and quick.

NEW-NEW-NEW-NEW-NEW-NEW-NEW-NEW-NEW-NEW-NEW-NEW-NEW-NEW-NEW-NEW

PD1-116 ANIMATE.001 \$6.00

Two of the very best animations I've seen anywhere! Both require a color monitor, but will run on a 512k (or larger) machine. Watch the California Raisins do their thing, and marvel at the animated 512 color display. Includes the following files: 3D_512, RAISINS, ANIMATE3, ANISPEC

PD1-117 ACCESSRY.003 \$6.00

More great Desk Accessories! Includes: 960 DPI Sets your Epson type printer up automatically.
DEGASPIC. Display Degas Pictures anytime.
DESKPACK. Another great multifunction Desk Accessory.
GOODIE. Check this multifunction Desk Accessory out!
KWIKPIC. Pictures displayed when you want!
MEMFIL14. The best memory/sector/file editor has been upgraded!
PROTECT. Keep Viruses and other nasties from infecting disks.
SOLITAIR. Play it again, Sam!
THEACC12. The name says it all 'THE ACCESSORY!', nifty!

PD1-118 TINYPICS.003 \$6.00

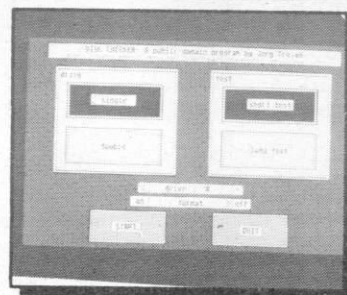
Another nifty slide show featuring 21 great pictures: BIGDRGN, CADMIUM, CITY 2042, DISTILL, DUNGEON1, EYES, FIGHTERS, FOREST, GILBERT, LAUNCH, PANZER, PYRAMID, SHUTTLE1, SNOWCAT, VALLEY, WAYNE, WULFEN, ZZTOP, BEE, YOGI, KIRK

PD1-120 MISC.003 \$6.00

PICSW7. The best picture utility! Loads & converts most everything!
QTCOM012. Nice terminal program!
SHOWMEM3. Handy memory allocation information, anytime!
STCADD. Limited, but fun Computer Aided Design program.
VDOS. Fantastic replacement for the Gem Desktop! Try this one! Requires 512k & two floppies, or 1meg (or more) and one floppy.

PD1-121 UTILITIES.005 \$6.00

ARC521. Latest & Greatest complete version of Arc.
AS196R. Latest & Greatest Gem Shell for Arc.
BACKUP. Hard disk backup utility.
DCOPY288. Latest version of one of the best utilities ever!
DSCAN100. Fantastic Disk indexing & cataloging program!
FDI. Floppy Disk Index, useful!
FSEL55. Replacement File Selector! Try it, you'll never go back!
VKILLER. Checks for, and kills viruses! Everyone should use it!
MOUSEDBL. Doubles the mouse cursor's movement, great in tight spots!
REBOOT. Cold boot anytime by control/alt/delete key combo. Handy!



PD3-102 STUTILITY-4 \$6.00

Jorg Trojan shareware utilities disk. From Germany, but docs and menus in English. Really a neat disk! (Mono Only)
CHECKER. Finds errors in floppies, and reformats. Handy to check SSDD for use as SSDD.

EXPERT LABEL. Creates labels for all disks, VCR/audio cassettes, files, packing slips, and more.

ICON/IMAGE MAKER. Creates icons of various sizes and shapes.

GRAPHIC SPOOLER. Spools graphics printer output.

PD1-115 TINYPICS.002 \$6.00

Another great color slideshow featuring 18 (including Moonwalk, Nixon, Space Shuttle and others) pictures in .TNY file format. Included are shareware TINYVIEW slideshow program, TINYSTUFF picture compressor, and docs.

PD1-123 STXFORMER.001 \$6.00

PD1-124 STXFORMER.002 \$6.00

Two disk set of 'STXFORMER II', the great shareware Atari 800/XL/XE emulator. Versions for a 512k machine, (somewhat limited & color only) as well as 1Meg (or more) machine. Larger version will work in Mono, but color is still recommended. Several files to get you started, whichever machine you have! STXFP2IR, STXFP1, STXFP2, STXFP2, STXFP21, STXFPX.

Three Clip Art Disks

Three disks full of the best PD and shareware clip art! Mostly High Resolution Degas files, many scanned at high resolution! Useful for any desktop publishing effort, or just as impressive (they are!) pictures! Each arced file contains several pictures.

PD1-125 CLIP_ART.001 \$6.00

PICTSCN1, PICTSCN2, TOON1520, TOON1_7, TOON1226, TOON1_14

PD1-126 CLIP_ART.002 \$6.00

EDUC.P13, FALL.P13, FOOD.P13, SPRNG.P13

PD1-127 CLIP_ART.003 \$6.00

HDNG2.P13, HDNG3.P13, MEMO.P13, NOUVEAU1, OLDF.P13

PD1-119 MISC.002 \$6.00

ADDRESS. Great Address book!
ADDRS193. Demo version for nifty address book.
CLASS_18. Database & Spreadsheet for teachers, nice!
COM2DEMO. Demo of GFA Companion.
GEMFED. Full featured Gem font editor, create/edit fonts!
GEMLABEL. Handy label maker.
LABELS. Another handy label maker, the same, but different!
PLANET. Fun! See the planet's motion over time!
TXTOOL. Text Tool, word count, spell checker, very complete!

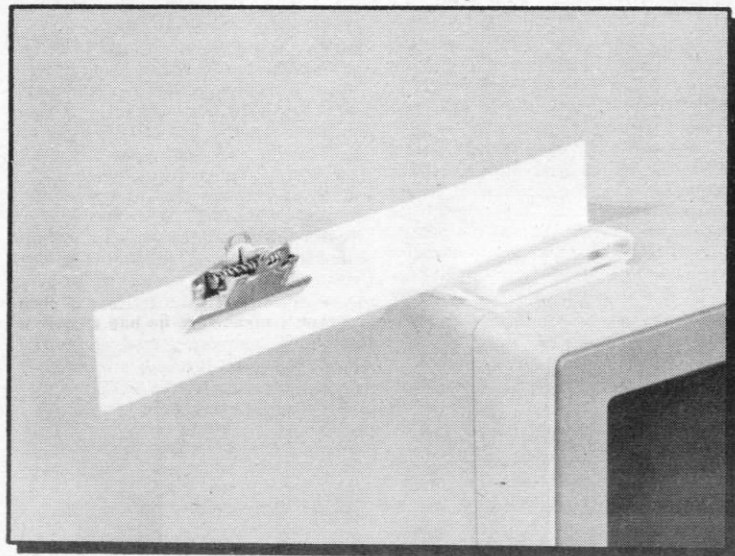
PD1-122 UTILITIES.006 \$6.00

ACCACE2. Allows selection of accessories at bootup.
DIRECTRY. Print disk directories to screen, file, or printer!
GEMBOOT. Full featured fix for 40 folder bug & many options!
HDSCAN14. Allows tagging files for mass copy etc. on hard drive.
LUTLIS. Great reset-proof ramdisk & configurable disk cache!
SETINIT. Select auto programs & accessories at boot up.
SUPBOT41. Essential boot up aid for hard disk owners!
TURTLE217. Turtle!, fantastic hard disk backup utility!

Amiga/Atari ST Products

Easy! Work Holder

Holds Your Work At Correct Eye/Monitor Level



Review by Eben Brown

Our Easy! II work holder is so simple, you'll wonder why no one thought of it before. Attach it to the top of your computer monitor with its quick release Velcro™ fastener (included). Then clip your dictation, outlines, newspaper clippings, paperback book or magazine articles to it. Clip anything to it that you're copying from or referring to. Easy! II holds your work right next to your monitor for easy-on-the-eyes viewing.

Got a messy desk? Don't worry! Easy! II suspends your work from above and takes absolutely no desk space! It holds strong, too. We hung a 1 lb. paperback book from it with no problem.

For this catalog we've improved the original Easy! even beyond the excellent construction it already had. Easy! II is made of high density acrylic. This is superior to the original polyethylene construction. It's stiffer and won't sag when something heavy is attached to it. High density acrylic also has a hard gloss surface. The total effect of the clear mounting base and high gloss clip arm is really stunning!

Remember, no cheap plastic clip goes on the Easy! II. You get a genuine rivet attached Kaufman Bros. steel clip and generously wide strips of Velcro™ hook and loop tape.

Order your Easy! II today!
127-406 Easy! II Work Holder 2 lb. **\$9.95**

Keyboard "Feel" Stiffener Kit

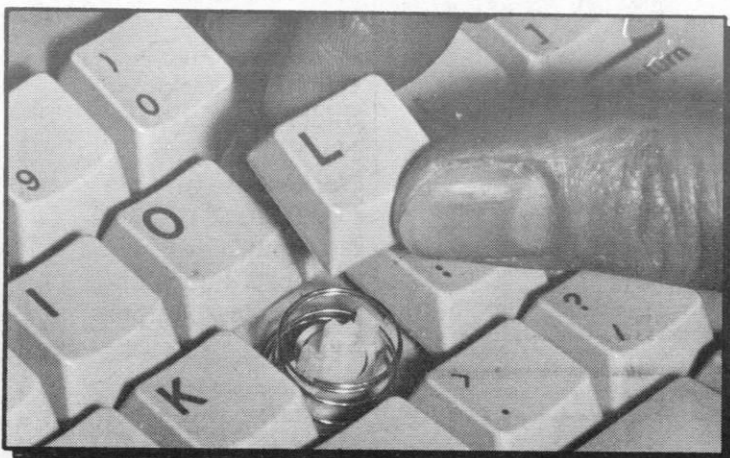
Gives Your Keyboard a Stiffer Pushing, Faster Rebounding Action

Review by Eben Brown

You say you don't like the "Feel" of your computer keyboard? Well, now there is something you can do about it. Our Keyboard "Feel" Stiffener Kit consists of a set of special coil springs which you install under the keycaps of your keyboard. Once installed, they give your keyboard a stiffer, more responsive feel.

The springs themselves are a special size to fit over the keytop attachment points. They're chrome plated to assure rust free operation. To install them, you must pry off the keytops using a butterknife or something similar and your finger. Pop a spring onto the base and snap the keytop back down onto its attaching point. As you might figure with so many keys, installation takes awhile. But when you're done, your keyboard will definitely feel stiffer and quicker rebounding.

STP-NER Keyboard Stiffener Kit 1 lb. **\$11.95**



"Dark Side" Computer Secrets



Mini-Reviews by Eben Brown

"Hackers". I'm talking about the real ones... not just guys that "hack" around with programming tricks. The real Hackers are the ones that break into unauthorized data banks via telephone

and other connections. To most of them it's just a challenge to see if they can do it. To others, it's a criminal opportunity to modify or damage sensitive information. What kinds of techniques do these Hackers employ. Are any of them useful to regular users of personal computers and modems?

Our *Hacker's Handbook* reveals the Salami, Trapdoor, and Trojan Horse techniques. You'll learn phone, programming and hardware techniques for zeroing in on unlisted numbers, identifying and analyzing signals with no physical phone tap. You'll see how Hackers figure out passwords, access codes, and protocols. You'll even learn about short wave radio hacking and "Packet" switched communications. The *Hacker's Handbook* is MUST reading for anyone interested in what can and cannot be done by hackers... anyone who wants to understand telecommunications MUCH better. You will

definitely understand how your computer and modem works after reading this book.

Our *Computer Underground* book takes a slightly different approach to the subject. It's a shocking expose of computer crime and a revealing insight to its beginnings with computer and phone phreaks. Wozniak and Jobs, the founders of Apple Computer, are said to have started out selling "blue boxes"... devices for using long distance telephone service without paying for it. The *Computer Underground* covers the full spectrum of hacking, crashing, pirating, and phreaking. Somewhat crudely printed, the information it contains is invaluable.

Learn about the "Dark Side" of personal computing. Order *The Hacker's Handbook* & *The Computer Underground* today!

343-762 Hacker's Handbook 1 lb. **\$12.95**
345-500 Computer Underground 2 lb. **\$16.95**

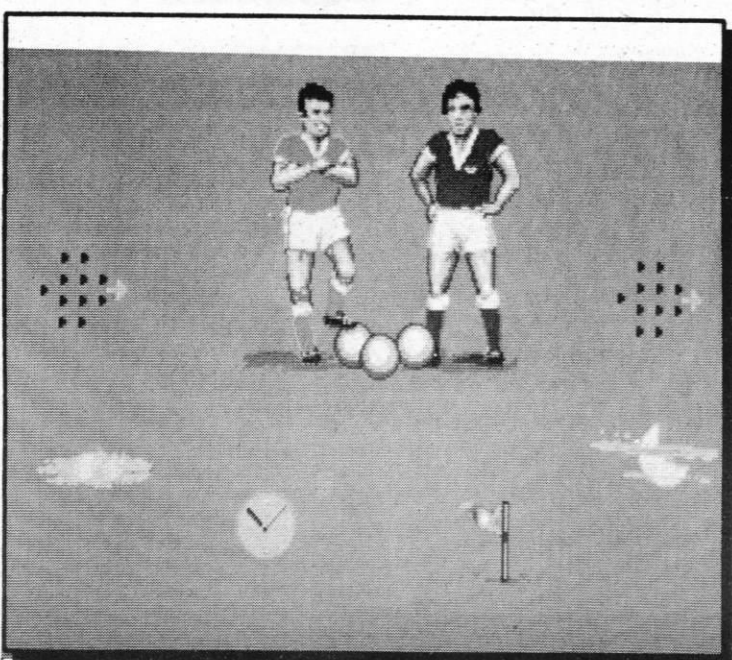
Amiga/ST International Soccer

How many times have you seen a glorious picture of a computer game only to be disappointed with the graphics after you bought it? Not so with *Amiga and ST International Soccer*. Your view of the playing field is from the side angling down... giving a full 3 dimensional perspective depiction of the player's positions as well as their bodies. When you go forward to dribble the ball, your player's legs move, arms swing, etc. The defender does his best to shadow every move, too.

Okay, so the graphics are real nice. So is the play. You can pit your team against the computer's team or you can play against a friend. Each of you controls his team by joystick. You most directly control the player that is either dribbling the ball, or defending against a ball dribbler. When you pass to another player, you become that other player.

Amiga and ST International Soccer isn't one of those games that you merely set up some conditions and watch the results play by themselves. You are actually on the field changing directions, passing, taking shots, and evolving the game just as you would on a real soccer field. It's really a KICK to play (pun intended). Order your own *Amiga or ST International Soccer* today!

250-351 Amiga Int. Soccer 1 lb.
250-350 ST International Soccer 1 lb.
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Amiga Products

Amiga Books Selection

Find What You Need And Want To Know Here

Amiga Programmer's Guide

Whether you want to know about the Amiga kernel or DOS commands, the *Amiga System Programmer's Guide* tells all! Learn about the EXEC structure, Multitasking, I/O management, Interrupts and resource management, RESET, DOS libraries, Disk management, CLI and it's commands... the works. In all, there are 600+ jam packed pages of information. If you plan on programming the Amiga, this is the book for you. Order your copy today!

440-530 Amiga Sys. Prog. Guide 3 lb.
List 34.95 **Our Price 24.95**
440-531 ASPG Diskette 1 lb. **\$14.95**

Amiga DOS Inside Out

Learn the Amiga DOS from Internal Design all the way through practical applications. For example, you'll learn about the 68000 microprocessor architecture, AmigaDOS Tasks and handling, Detailed explanations of CLI commands, DOS editors ED and EDIT, Operating notes about CLI (wildcards, etc.), how CLI uses Amiga input devices, Batch files, changing start-up sequences... You'll finally understand the Multitasking aspects of AmigaDOS. This book has much more, but space doesn't permit further description. Order today!

440-535 AmigaDOS Inside & Out 2 lb.
List 19.95 **Our price 14.95**
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Amiga Machine Language

Everyone knows programming in machine language is the ultimate. Your computer performs faster, uses less memory, and has more power. Machine Language isn't just for commercial programmers, though. You can learn and use it yourself. *Amiga Machine Language* will show you how. You'll learn about the 68000 microprocessor, it's address modes and instruction set. You'll master accessing RAM, operating system, and multitasking capabilities. You'll understand machine language access to speech and sound capabilities. This book will give you the understanding you need to be successful in machine language programming. Order today!

440-540 Amiga Machine Language 2 lb.
List 19.95 **Our Price \$14.95**
440-541 Optional Diskette 1 lb. **\$14.95**

Amiga BASIC Inside and Out

This book should be on the shelf of every Amiga owner. It gives complete reference and instruction for programming in Amiga BASIC plus... it's loaded with listings of real, working programs. Special topics include video titling, bar and pie charts, windows, pull down menus, mouse commands, statistics, sequential and relative file types, and speech and sound synthesis. There's much more additional information... 550+ page in all. Order a copy!

440-550 Amiga BASIC 3 lb.
List 24.95 **Our Price \$18.95**

Amiga Tricks & Tips

Experts and insiders always manage to come up with tricks and gimmicks for making a computer do things a little differently or easier than it was originally designed to do them. That's what this *Amiga Tricks and Tips* book is all about. In it you'll find an easy to understand collection of useful programming techniques for everyone who uses an Amiga. Some of the topics include displaying 64 colors simultaneously, accessing libraries from BASIC, creating custom character sets, using AmigaDOS and graphics... etc. In addition you'll learn dozens of tips on windows, programming aids, speech synthesis and music, important 68000 memory locations. The list of subjects goes on and on. If you love your Amiga (who doesn't), you'll want to know about these tricks and tips for using it. Order today!

440-555 Amiga Tricks and Tips 2 lb.
List \$19.95 **Our Price \$14.95**

Amiga Disk Drive Inside Out

This brand new book tells you everything you need to know about Amiga floppy disks and hard drives. Learn about stepper times and cable pin-outs. If you're so inclined, it's the kind of information you can put to use building your own add-on drives. Drives are a very interesting topic and knowing about their workings will make you much better at computing. Order your copy today.

440-545 Amiga Disk Drives 2 lb.
List \$29.95 **Our Price \$22.95**

Atari ST Products

"I Usta Dint No Nuttin... Now I Are A Xburt"

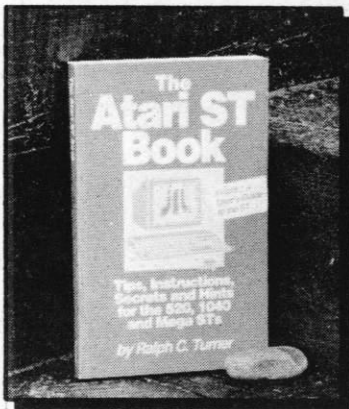
Tips, Secrets, Hints And Stuff For Atari ST Owners

Review by Eben Brown

Contrary to popular belief, not every Atari ST owner is an expert... certainly I don't feel like one myself. I'm always learning things I never heard of before. Most of it's just handy stuff that isn't covered in the operating manual... but it makes your computing ever so much easier.

Ralph C. Turner has compiled a bunch of these pieces of ST knowledge into an easy to read handbook titled, *The Atari ST Book*. It's loaded with easy to use tips, hints, instructions, and secrets for getting the most from your Atari ST. For example, you'll read about file management techniques, cold and warm boots, printer control techniques, the item selector, desktop tricks, telecommunications, worldwide sources for over 30 ST oriented computer magazines and more.

159 pages cover just about everything a beginning Atari ST user should know... even stuff an old hand will find



new and interesting. Order your copy today!

450-400 Atari ST Book 1 lb.
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Call 612/762-8847. M-F 8:30-4:30 PM

GFA BASIC Programmer's Reference Guide Manual

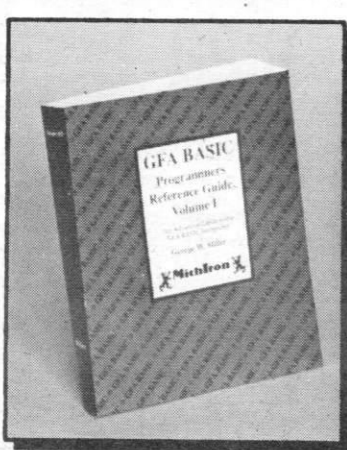
Everything You Need In One Great Book!

GFA BASIC is known as one of the most powerful programming packages available for the Atari ST. Now you can learn the ins and outs of it in a way that only a terrific programmer could show you.

In the *GFA BASIC Programmer's Reference Guide*, George Miller has packed the answers to all of the most frequently asked questions. He's also gone to great lengths with detailed explanations of every command. Shoot, the appendices alone are worth more than the price! They cover the BIOS, GEMDOS, and XBIOS in detail.

Of special note are explanations of graphics and animation, sound and music, menus, and programming the peripheral ports. Demonstration programs are included to fully illustrate every technique and command. If you have GFA BASIC, you will like this book. Order today!

250-552 GFA BASIC Programmer's Reference 3 lb.
Our Price \$19.95



User Groups & Clubs

Send us a list of your members who are active Amiga/ST users and we'll be happy to mail them each a complimentary *Computer Enthusiast Catalog*.

Super Fast... PC/XT/AT Emulation... At Last!

Remember when the original *PC-Ditto* gave you Atari ST the ability to run IBM PC compatible software? It was and is great... *BUT SLOW*. Too slow for many ST owners used to ST speed. Well those days are gone. There's a new PC emulator that actually runs *FASTER THAN PCs and XT's*! It's called *PC-DITTO II* and it's a cartridge that plugs into your ST cartridge port.

How fast are we talking about? The original IBM-PC and PC compatibles run at 4.77 megahertz. The more advanced IBM-XT and XT compatibles run at 7-8 megahertz. The IBM-AT and AT compatibles scream along at speeds from 10-20 megahertz... same for

the new IBM PS/2 30. *PC-DITTO II* is guaranteed to give you PC/XT/AT compatibility and speed in excess of 10 megahertz! In fact it's so fast, there's a switch on it to slow it down to 4.77 megahertz for older PC programs that can't run that fast!

Does this put your PC emulating ST on an equal footing (speed-wise) with IBM machines and clones? *YES!* The industry standard "Norton SI" rating actually puts a *PC-DITTO II* way out in front. XT's rate a little over 1. PS/2 30's rate 1.8, and *PC-DITTO II* rates 3.0!

Get the advantages of both worlds: Atari ST graphics, publishing, and sound right along

with FAST PC/XT/AT software compatibility. We expect to ship *PC-DITTO II* sometime between mid May and mid June. Please note that you will need MSDOS 3.2 or higher to use *PC-DITTO II* (all PC-compatibles need this... including *PC-DITTO II* equipped STs). If you don't already have MSDOS, we have version 3.3 on 5.25" disks and will include special SSD 3.5" disks when you order it from us. Order today to be sure you get in on the first production run! (Use your credit card... we don't charge 'til we ship).

120-201 *PC-DITTO II* 2 lb. \$299.95
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(MSDOS 3.3 w/ Special SSD 3.5 Disks)

with FAST PC/XT/AT software compatibility. We expect to ship *PC-DITTO II* sometime between mid May and mid June. Please note that you will need MSDOS 3.2 or higher to use *PC-DITTO II* (all PC-compatibles need this... including *PC-DITTO II* equipped STs). If you don't already have MSDOS, we have version 3.3 on 5.25" disks and will include special SSD 3.5" disks when you order it from us. Order today to be sure you get in on the first production run! (Use your credit card... we don't charge 'til we ship).

120-201 *PC-DITTO II* 2 lb. \$299.95
126-400 *Ditto DOS 3.3* 2 lb. \$129.95
(MSDOS 3.3 w/ Special SSD 3.5 Disks)

Save On These Best Selling Games!

Mini-Reviews by Eben Brown

These are some excellent values on best selling games which time and space didn't allow us to fit into our last catalog.

War In Middle Earth

Tolkien's panoramic vision of the classic struggle between good and evil is now a computer game! Melbourne House claims to have put five man-years of programming into this epic. Selected elements of Fantasy Role Playing, War Strategy, and animated adventure games have been skillfully blended for a unique computer gaming experience. Order today!

280-654 *ST War and Middle Earth* 1 lb.

Our Price Only \$34.95!

ST Euro 5-Star Pack

Five best sellers in one low priced package. You get *Barbarian* (yes, the one with the sexy girl), *Crazy Cars* prestige car racing, *Rampage* of King Kong, *Godzilla*, and *Wolf-Man*, *Enduro* Moto-Cross racing (rated Best Coin Op Conversion), and *Wizard* the action packed, stunning graphics game. Any one of these games is a thrill to own. Now you can own all five for an un-heard-of price! Order today!

587-601 *ST Euro 5-Star Pack* 1 lb.

Our Price Only \$39.95!

ST Arcade Force Four

An unheard of value in ST gaming. *ST Arcade Force Four* teams four top name all time best sellers in one low priced package. You get *Gauntlet* & the *Deeper Dungeons*... battle your way through 500 mazes against awful opponents. You also get *Road Runner* where you can play the famous and hilarious Warner Brothers cartoon characters against each other for points. *MetroCross* is the all time top seller where you run through a checker board course filled with trap doors and obstacles. 3-D graphics are amazing! Finally, *Indiana Jones* is a level by level rescue game based on the famous movie character. This four game package is something you will be thrilled you bought and will feel like a smart shopper too... for finding such a good deal! Order today!

587-300 *ST Arcade Force Four* 1 lb.

Our Price Only \$39.95!

ST Gold of the Realm

I believe this is the first infinitely customizable Dungeon-Style game. Anyway, it's an animated adventure in which you direct your character through colorful graphics displays picking up and using things, clues, weapons, etc. There is a Legendary Treasure somewhere in the maze of passageways of the old castle. Find it and win! Change the game and play again.

Change and play again. You can never use up *Gold of the Realm* because you can make up a new game. Order today!

413-444 *ST Gold of the Realm*
413-445 *Amiga Gold of the Realm*

Our Price Only \$24.95!

STOS & STAC

The Games Creators...

If you'd like to try your hand at writing action or adventure games, you don't have to start at the bottom! *STOS* and *STAC* are programming languages specifically for creating games on the Atari ST.

STOS is for writing action games... complete with plenty of graphics, animation, and sound effects/music.

STAC is for adventure games. Over 120 different conditional actions, beautiful graphics, editable fonts.

There's no license fee to pay if you write a best seller either! Order one or both of these languages today!

280-265 *STAC Adventure Creator* 1 lb.

Our Price Only \$59.95

587-600 *STOS Action Game Creator* 2 lb.

Our Price Only \$39.95

Two Top Selling Programmer's References

Programming In GFA BASIC 3.0 ...And ST68000 Reference Guide

Programmer's Reference Guide

This is an essential book for the library of any serious Atari ST programmer. From block diagrams of the system components through 68000 instruction codes, it covers virtually everything you need to know. Chapter 1 covers the hardware specifications; 2 & 3 cover the operating system; 4 covers GEM-VDI, 5 covers GEM-AES; 6-the IKBD commands, 7-the Line-A calls; 8 covers the Blitter calls; And an extensive set of appendices cover everything else... including schematic diagrams.

As you might guess these are some pretty deep subjects... the book really gets into them. It's said that alot of what's presented comes directly from the same big, thick documentation Atari supplies to developers.

If you're technical enough to want to know EVERYTHING about how an Atari ST is built and operates, the

68000 *Programmer's Reference Guide* is for you. By Katherine Peel.

250-557 *ST 68000 Programmers Ref.* 2 lb.

Our Price \$26.95

Programming With GFA Basic 3.0

Sure GFA BASIC 3.0 comes with a good operating manual. And that may be all you need. But, if you're one who wants to write the absolute most out of a programming language, this new book is a must. *Programming with GFA BASIC 3.0* comes in where the manual stops. For example, some topics include creating GEM windows, using dialog boxes, creating icons for use in RCS, 3D function plotting, writing a debugger program, pull-down menus, button and edit fields in dialog boxes... the works. If you own or are buying GFA BASIC 3.0, you're going to want to know this stuff sooner or later. Call today and order your copy of *Programming With GFA BASIC 3.0*

250-555 *Prog. W/GFA BASIC 3.0* 2 lb. \$19.95

A New Alternative For ST GFA BASIC Programmers

Dialog Box Constructor

Story by Eben Brown

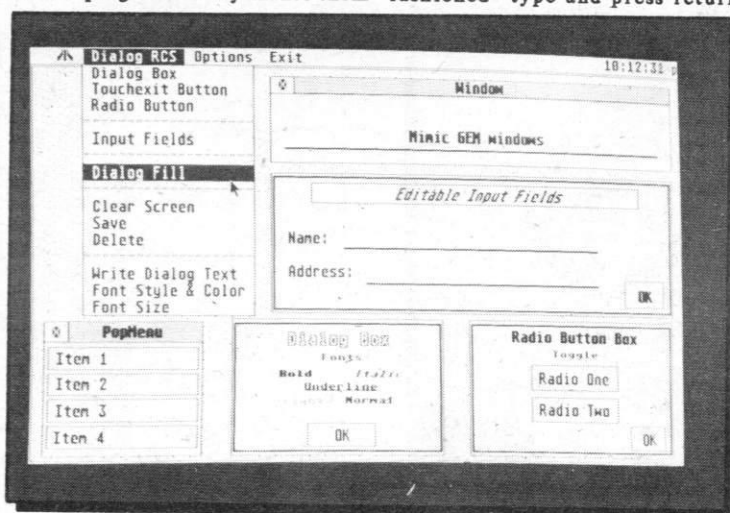
Adding real Dialog Boxes to your GFA BASIC programs really makes them look professional! Instead of old fashioned "type and press return"

responses, you use point and click... just like the REAL programmers do.

Our new *Dialog Box Constructor* (DBC) by Derrick Hall gives you all of the flexibility and power you want (and need) to make custom Dialog Boxes for your programs. Make the boxes whatever size you want. Put Radio Touch Buttons into them... Touch/Exit Buttons, Input Fields, etc. Jazz them up with fill patterns and colors. Enhance them with different fonts. Believe me, your GFA BASIC programs will look marvelous with *DBC* Dialog Boxes.

We've been selling the excellent *Michtron GFA Companion Dialog Box* utility, so I asked Derrick to make up a comparison chart of the features of each program. I made sure he had a current version of *Companion*. And, as far as I can tell, the chart is totally accurate. If you program in GFA BASIC, you're really missing something if you don't add Dialog Boxes to your programs. Order *Dialog Box Constructor* today!

127-513 *ST Dialog Box Constructor* 1 lb. \$29.95
(Requires GFA BASIC)



Order Toll Free

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Attention
Atari ST Lovers

Comparison Chart

Features	DBC*	Companion
Version Compared	v1.0	v2.0
Free Hand Design	Yes	Limited
No. Touch/Exit Buttons	100	6
No. Radio Buttons	100	7
No. Dialog Boxes	100	9
No. Input Fields	50	None
Slider Bar Support	None	Yes
No. Fill Patterns	24	None
No. Colors	16	None
No. Fonts	6	3
No. Font Sizes	5	1
Supports Pop Menus	Yes	Yes
Screen Res. Support	Lo, Med, Hi	Med, Hi
Sugg. Retail Price	\$29.95	\$49.95**

* *Dialog Box Constructor*

** EABCO price is \$29.95

New! GFA Beginner Book!

BASIC Training Reboot Camp

Whether you'd like to read about GFA BASIC before buying it, or would just like instruction from an independent source, this new book is a must. *GFA BASIC Training Reboot Camp* is designed to get the new programmer off to an easy start with GFA BASIC.

There are so many different variations on the original BASIC programming language. You can learn one version and find yourself lost trying to use a different one. This book teaches you BASIC from the ground up using the Powerful GFA BASIC that is so popular around the world. After each lesson,

you'll have mastered some programming technique and will have an actual program to show for it. Among them are: A Mouse Drawing Program, Simon Game, Tune-Player, Animated Game, Dice Tossing Game, Graphics Display Program, Programming Aids, and more.

If you own an Atari ST or Amiga, plan to program in BASIC, and want to learn it from the ground up, This is the book for you. *GFA BASIC Training Reboot Camp*. Order today!

250-551 *GFA Train/Reboot Bk.* 2 lb.
List \$19.95

Our Price \$14.95

Super-Charge Your GFA BASIC!

SQL Add-On Package

Adds Structured Query Language (SQL) Commands... Saves Time And Effort

Structured Query Language (SQL) was developed to easily use relational programming... it gives essentially unrestricted access to stored data. In other words, SQL doesn't care where,

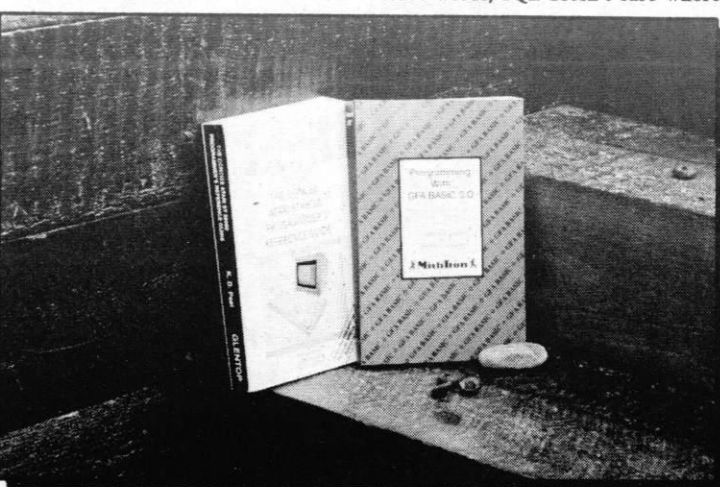
when, or how your data is stored. It can access and work with it with speed and ease. SQL is now the standard language for powerful relational databases used in commercial applications.

Now you can add the power of SQL to your GFA BASIC programs, enhance their capabilities and speed, and learn a bit about SQL in the process. The *SQL Add-On* extends GFA BASIC's instruction set by adding additional commands to store, retrieve, and modify information stored in a set of data bases. A single SQL command can replace literally PAGES of BASIC commands!

When you order, you'll get the *SQL Add-On* which includes a 36 page tutorial, and a GFA BASIC program that processes all of the possible SQL commands. The tutorial takes you step by step through creation of your data base, inserting new records, retrieving existing records, updating and modifying records, and easy sorting. Try something new and add some real POWER to your GFA BASIC programs. Order *SQL Add-On* today!

510-125 *SQL Add-On* 1 lb.

Our Price \$24.95





Desktop Publishing

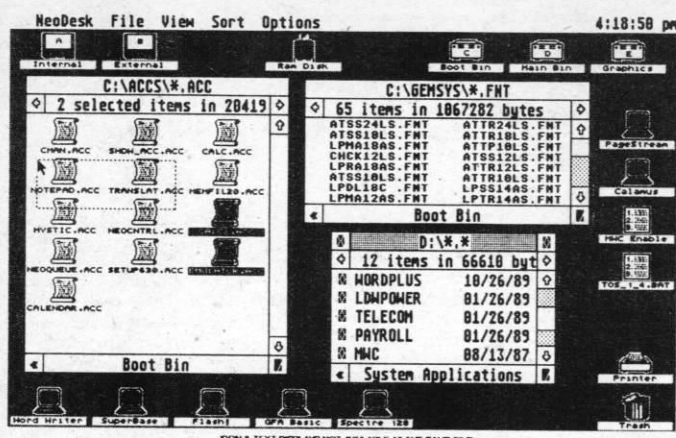
Spectacular Clip Art

- DISK 1:**
COMPUTER :1040ST, 520ST, 130XE, 800, printer, etc.
OFFICE :Telephone, pencil, pad, ink, stamp, etc.
MUSIC :Piano, guitar, notes, staff, violin, etc.
SCHOOL :Books, crayon, chalkboard, milk, apple, etc.
TRAVEL :Plane, train, ship, luggage, tickets, etc.
TRANSPORT :Cars, trucks, gas pump, keys, bus, etc.
- DISK 2:**
BUSINESS :Dollar bill, coins, sold sign, price tag, etc.
SPORTS :Football, bowling, baseball, golf, etc.
ANIMALS :Cat, dog, horse, cow, pig, chicken, etc.
PARTY :Birthday, New Years, Halloween, etc.
RELIGIOUS :Cross, menorah, church, Torah, crucifix, etc.
- DISK 3:**
FOOD :Knife, fork, spoon, hot dog, soft drink, etc.
BORDERS :Assorted borders
OLD WEST :Cowboys, guns, saddle, boots, wagon, etc.
MEDICINE :Stethoscope, needle, chart, nurse, etc.
NEWSLETTER:Graphics for Atari club newsletter.
- DISK 4:**
HANDS :Hands holding, shaking, praying, writing, etc.
TOOLS :Hammer, saw, screwdriver, wrench, tape, etc.
PIRATES :Skull & crossbones, map, ship, treasure, etc.
SEASONS :Flowers, rain, clouds, snowman, birds, etc.
AMERICA :Statue of Liberty, flag, Liberty Bell, etc.
PERSONAL :Shoes, tie, comb, brush, pipe, purse, etc.
- DISK 5:**
THEATER :Camera, clapboard, tickets, marquee, etc.
CORNERS :Assorted corners
ZOO :Giraffe, lion, elephant, tiger, etc.
MENU :Restaurant menu graphics
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- DISK 6:**
ADMANS :Full size graphics of computer products
SPECIAL :Atari 1040ST, Mega ST, SLM804, Amiga A500, A1000, A2000, more.

- Disk 7:** Antiques, Sea Life, Gambling Nautical, Knights
Disk 8: Christmas Graphics

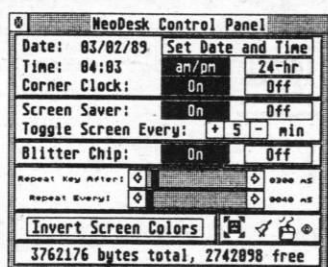
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Features Include:

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- Only Requires 24k of Memory When Running an Application
- Support for Environmental Variables

- Not Copy Protected
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- Auto-Execute any Program
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The Ultimate Upgrade for the Atari ST!!

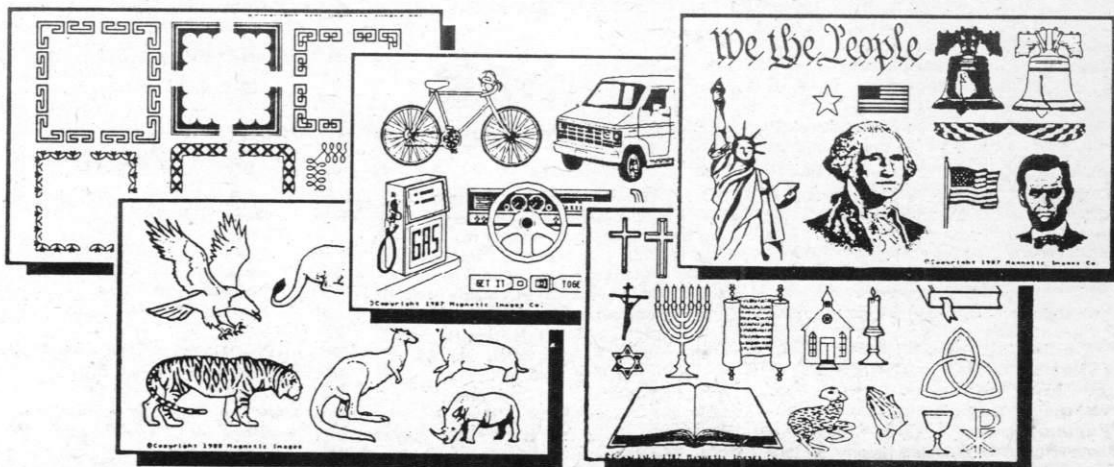
Amiga/Atari ST Clip Art & Fonts

Our Magnetic Images Clip Art disks have nothing but the best quality art for your desktop publishing and other graphic needs. No crudely scanned images, here. These are actual computer designed images by experienced computer artists. You won't

find better! They're now available in ST DEGAS format, Amiga .IFF format, and very soon even PC compatible TIFF and PCX formats.

Currently, our fonts are only for the Atari ST. We use the PageStream and Publishing

Partner fonts when making up the COMPUTER ENTHUSIAST CATALOG. If you're using WordUp, TimeWorks Publisher, or Easy Draw, we have the same font styles in GDOS format. Don't be without these excellent fonts!



Magnetic Image Fonts

- 1 - Avant Garde • Courier • Calligraphy
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Spokane ABCDEFGHIJKLMNOPQRSTUVWXYZ
Thames ABCDEFGHIJKLMNOPQRSTUVWXYZ
Elegance ABCDEFGHIJKLMNOPQRSTUVWXYZ
Roman Bookface ABCDEFGHIJKLMNOPQRSTUVWXYZ
West Side ABCDEFGHIJKLMNOPQRSTUVWXYZ

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413-502 ST GDOS #3	1	21.95
413-503 ST GDOS #4	1	21.95
413-504 ST GDOS #5	1	21.95
250-544 ST Hyper Font	1	29.95
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413-450 ST Prtnr Fnt #3	1	9.95
413-401 ST Pstrm/PP #1	1	21.95
413-402 ST Pstrm/PP #2	1	21.95
413-403 ST Pstrm/PP #3	1	21.95
413-404 ST Pstrm/PP #4	1	21.95
413-406 ST Pstrm/PP #6	1	21.95
Amiga Art Disks 1-8 @ 1 lb. each		ea. 12.95
ST Art Disks 1-7 @ 1 lb. each		ea. 12.95
413-414 ST Prtnr Forms	1	19.95

Battle Lines Are Drawn!

We're Pulling Off The Gloves...

Flexcessory Beats Up MultiDesk

Story by Eben Brown

It had to happen sooner or later. Two sets of developers working along similar but totally DIFFERENT lines. Two excellent but DIFFERENT products coming to market. Though they're totally DIFFERENT, confusion develops in the media and marketplace over "Which one is best?" And finally, both become judged by criteria favorable to one when both should be judged on their own merits. In the proverbial Apples and Oranges comparison, Flexcessory has been the orange in a redness race with MultiDesk. And, E. Arthur Brown Company is fed up, mad as hell, and "...not going to take it anymore!"

The attached chart (being circulated by E.

Arthur Brown Company) compares Flexcessory and MultiDesk on criteria not previously included in comparison reviews. Criteria that clearly shows Flexcessory to be the better value. Adding fuel to the fire, E. Arthur Brown Company has announced an unprecedented "Money Back 10 Day Trial" on the Flexcessory package.

Who will win in the comparison game between Flexcessory and MultiDesk? It's hard to say at this point. But ST Owners who choose Flexcessory certainly CAN'T LOSE... they can get their money back if they're not satisfied!

127-410 Flexcessory 1 lb.

Still Only \$29.95!

Feature	MultiDesk	Flexcessory
Loads/Dumps PRG, TTP, & TOS Utilities As If They Were Accessories	No	YES
Loads & Dumps Utilities w/o Rebooting	No	YES
Handles Up To 15 Utilities Per Accessory Slot	No	YES
"Unload All" or Individual Utilities from Desktop or Application	No	YES
Corner Clock Date	No	YES
Adjustable RAM Disk	No	YES
Adjustable Printer Spooler	No	YES
Desktop Calculator	No	YES
Control Panel	No	YES
NotePad	No	YES
PC/ST Compatible Disk Formatter	No	YES
Printer Configuration Utility	No	YES
RS232 Configuration Utility	No	YES
Screen Grabber/Saver	No	YES
Floppy Drive Stepper Speed Setter	No	YES
Advanced Show File Capability	No	YES
Other Utilities Included	No	YES
Compatible w/ Shareware/PD Such As Twister or Fixdisk	No	YES
10 Day Money Back Satisfaction Guarantee	No	YES
Price	\$29.95	\$29.95

Atari ST Products

Liquidation Sale, Special Purpose Items

Publishing Partner Font Liquidation Sale

Order Now... Or Forever Hold Your Piece!

Review by Eben Brown

Soft Logik is changing the packaging on their original *Partner Fonts* series. So, we bought out the remaining inventory at rock bottom prices. Now you can get these fonts at a price you simply can't afford to pass up!

Partner Fonts #1 contains Devoll, Spokane, Helvetica (improved), and Thames fonts along with printer drivers for FX80, FX286, HP LaserJet, LQ1000, LQ800, MX80, NEC P6 and P7, Atari SMM804, and Toshiba 321. We have just 213 of these so order early to be sure you get one.

Partner Fonts #2 contains Elegance, Roman Bookface, Helvetica (improved), and West Side fonts along with printer drivers for FX80, FX286, HP LaserJet, LQ1000, LQ800, MX80, NEC P6 and P7, Atari SMM804, and Toshiba 321. We have only 67 of these. Order early to be sure you get one!

Partner Fonts #3 contains ELEVEN SCREEN FONTS and is only for use with PostScript compatible laser printers. These

screen fonts work with PostScript Laser printers because the PostScript laser printers have the printer fonts already resident in memory. If you have a PostScript Compatible laser printer... or have access to one, order this disk today! Contains Avante Garde, Bookman, Chancery, Courier, Dingbats, Helvetica, Helvetica Narrow, Palatino, Schoolbook, Symbols, and Times SCREEN FONTS. For use with PostScript Laser Printers only... not dot matrix. We have just 212 of these. Please order promptly.

Don't pass up this terrific opportunity to upgrade your *Publishing Partner Desktop Publishing System*. These packages are in stock as of this writing... but they won't last long at this price. Order today!

413-407 ST Partner Fonts #1 1 lb.

413-413 ST Partner Fonts #2 1 lb.

413-450 ST Partner Fonts #3 1 lb.

List \$29.95 Liquidation \$9.95 ea.

Soft Logik Fonts

Commonly Known As "Partner Fonts"

- 1 Devoll ABCDEFGHIJKLMNOPQR
Spokane ABCDEFGHIJKLMNOPQRSTU
Thames ABCDEFGHIJKLMNOPQRSTU
- 2 Elegance ABCDEFGHIJKLMNOPQ
Roman Bookface ABCDEFGHIJKL
West Side ABCDEFGHIJKLMN

Run All Three Resolutions In Color Or Monochrome

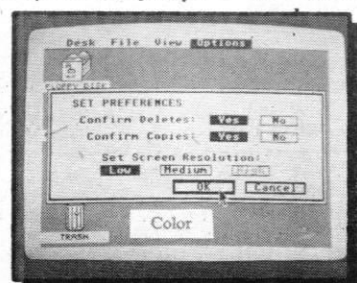
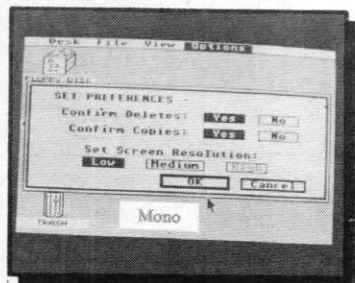
Review by Eben Brown

How do you run a color game if you only have a monochrome monitor? Use our *ST OmniRes* software to convert your monitor to low or medium resolution! How about running a monochrome program if you only have a color monitor? Same thing! *ST OmniRes* renders a monochrome image on your color monitor! Here's how it works: Install *ST OmniRes* in an AUTO folder and then use that disk to boot your computer. Before your desktop appears, *ST OmniRes* will give you several choices for the type of resolution and gray scale interpretation

you wish to use. Then, your desktop will appear in the resolution you selected. You can click and run your programs without concern for the type of monitor you have!

We mistakenly advertised a similar but not-ready-for-market product called the Video Box last Fall. *ST OmniRes* is completely different, designed by completely different people, and most importantly: READY TO SHIP! Don't do without good software just because you have one or the other monitor. Order *ST OmniRes* today!

127-666 ST OmniRes 1 lb. \$22.95



ORDER TOLL FREE 1-800-322-4405

Horse Track Racing Simulator

Buy & Sell Horses, Choose Jockeys, & WAGER!

A Day At The Races is a total simulation of the horse race track environment. You choose what horses will race, which jockeys will ride them, and which races they'll run. You buy and sell horses and try to get just the right attributes to come up with a winner. Then, just like a real race track, you have to try and figure out which horse will win, place, show, etc. It's as close to real horse racing as you can get without going to the track.

You get all sorts of statistical capabilities such as past performance, etc. An on-board data base tracks up to 500 horses, 50 jockeys, and 15 players. These you apply to

making an intelligent decision on a wager, horse purchase, or jockey selection. Animation is REAL-TIME and quite colorful. And, you get 14 different hard copy reports, standings, and statistics. Play by yourself or with others!

Screen displays are both entertaining and educational. It's not necessary to know anything about horse racing to play *A Day At The Races*. But, after playing awhile, you'll fit in easily at any real racetrack in the country! Why not get into computer horse racing and order today!?

280-651 ST A Day At The Races 1 lb. List \$39.95 Our Price \$29.95

ST Software Liquidation Sale

We Bought Out A Large Supplier's Overstock... You Save Big \$\$\$!

by Eben Brown

Here's your chance to pick up some really great Atari ST software at bargain basement prices! We bought out an overstock of a large supplier and can offer the merchandise to you at remarkable prices.

A WORD OF CAUTION: Though we mail

all of our catalogs on the same day, they reach different areas of the country at different times. Last Fall, we actually sold out of some specials before some customers received their catalogs. I haven't figured out how to avoid this. So, all I can suggest is

that you don't put off ordering something. These types of sales sell out too fast. If you see something you want, pick up the phone and order it TODAY!

ST Transylvania & Crimson Crown

Interactive Computer Novels... \$9.95

Transylvania is a best selling adventure that's appeared on Softsell's Hot List, Micro-D's Best Sellers and Dealer's Choice list, and Billboard's Top 10 Home Computer Games list. The visual effects were especially honored with an award from Electronic Games magazine. Suffice it to say, *ST Transylvania* is an excellent adventure game! *Crimson Crown* is the sequel to *Transylvania* and has all of the same features with a new plot. It's interesting that the publisher refers to them as "Interactive Novels" rather than adventure games.

Special features include the ability to understand full and multiple sentence commands, a 1000 word vocabulary, and beautifully detailed graphics (color monitor is required). At this price, any adventure lover who hasn't got *Transylvania* and/or *Crimson Crown* should order right away! (Only 77 *Transylvania* and 91 *Crimson Crown* in stock).

127-105 ST Transylvania 1 lb. \$9.95

127-106 ST Crimson Crown 1 lb. \$9.95



Special Purchase Opportunity for Atari ST Owners

Talking Educational Software Only \$19.95!

Review by Eben Brown

These original \$50 programs are now available to Atari ST owners for an unheard of price! *ST Smooth Talker*, the original type-it-speak-it speech synthesizer is so easy to use. Feed it text from word processors, data bases, spread sheets, etc. Then let *Smooth Talker* proof read your work. Or, type directly into the program. It's amazing, entertaining, and educational to hear your ST translate your written word into speech! *ST MathTalk* is a computer math tutor that talks! Customize your own addition, subtraction, multiplication, and division lessons. Then watch your children streak to the head of the class thanks to the vocal tutoring of your Atari ST. *ST Speller Bee* is yet another customizable talking tutor. Type in your children's weekly spelling lists. Then let your ST drill them vocally. *ST KidTalk* is a talking word processor for children. It teaches writing skills by letting young writers actually hear what they've written... in a male or female voice no less! *ST MathTalk Fractions* is a customizable talking tutor for learning fractions, decimals, and percents.

All children love to go to the computer lab at school. But, they're usually using old fashioned software with old fashioned Apple II computers. As long as you have that Atari ST, why not take advantage of this terrific bargain on state-of-the-art educational software... that actually TALKS! Order today!

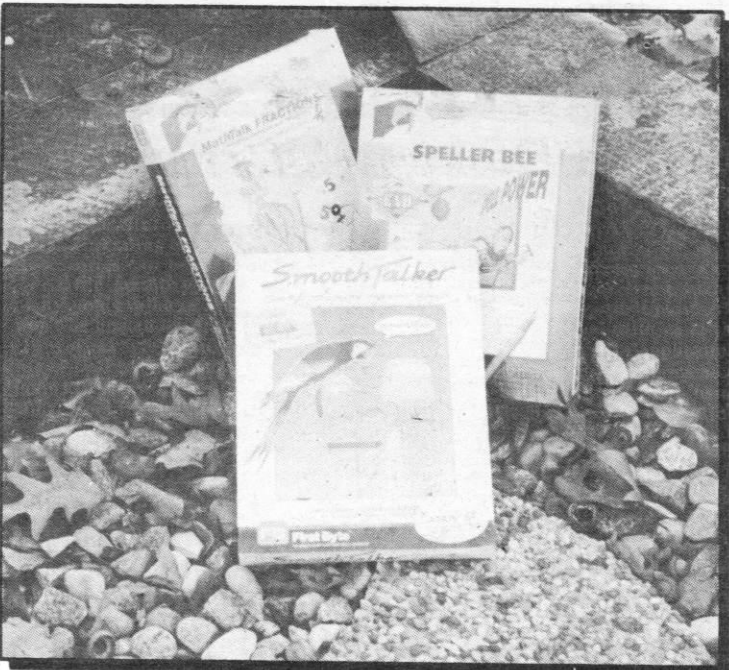
212-212 ST Smooth Talker 1 lb.

212-213 ST MathTalk 1 lb.

212-215 ST Speller Bee 1 lb.

212-214 ST MathTalk Fractions 1 lb.

212-216 ST KidTalk 1 lb.

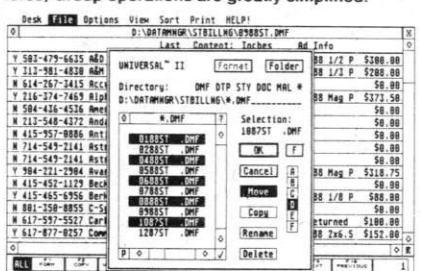


Originally \$49.95, Now Just \$19.95 ea.!

UNIVERSAL II

Ver. 2.01 Universal Item Selector

BEST file program available. Complete file manipulation is possible without use of the desktop. Use from within operating programs. With Wildcard features, Group operations are greatly simplified.



Shift/Click group operations are easy. Just hold down the shift key and select your files for any operation. You can also move up the folder tree by just clicking up the directory line. No more clicking out of each folder to go higher. Just select the superior folder and click on its name; it's that simple.

by Application & Design Software, for

E. Arthur Brown Company

#333-200 Univ. Item Sel. 2.01 1 lb.

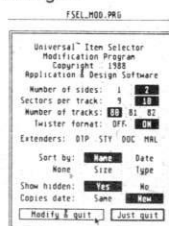
Just \$19.95

- Includes Vertical Drive Selector
- Moves / copies / deletes / renames
- Uses Wildcards on all files
- Prints directories and files
- Group operation file status
- Hide and Unhide single and groups of files
- Lock and Unlock single and groups of files
- Find a file on any drive
- Only uses 24K of RAM (plus 7K copy buffer)
- Programmable Default Features
- Remembers last path name used
- Never compromise your style again, it does it all

FREE RAM disk and print spooler included FREE with each Universal Item Selector purchased.



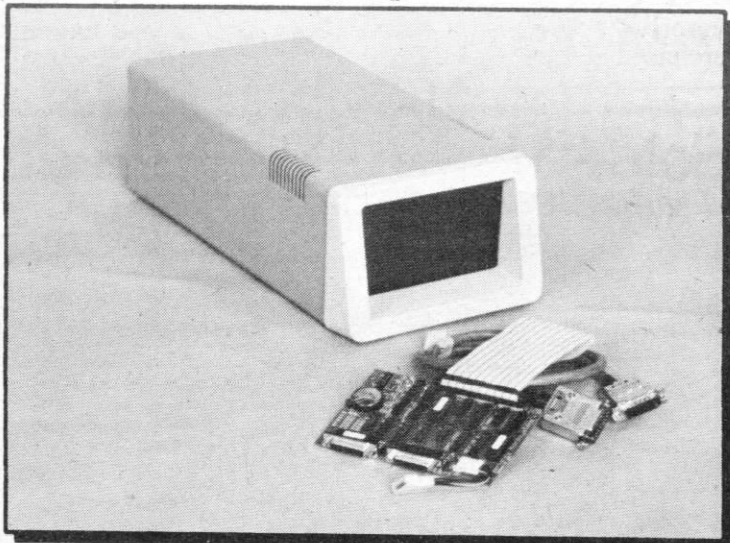
Rubberband group operations are possible with all "Action Buttons" featured on Universal. With verticle drive bar and path memory, you no longer have to type in drive path changes.



MODIFY.PRGM included with Universal allows the user to set the defaults to their personal preference. Such things as Hidden files, sort type, current or original copy dating, quick extensions and much more.

Atari ST Products

ST/PC Hard Disk Adapter Run Low Cost PC-Compatible Hard Drives



Review by Eben Brown

"Why do Atari ST hard drives cost so much more than PC-Compatible hard drives?" Seeing the PC discount ads, I can't blame people for wondering. Shouldn't there be a simple adapter for connecting PC hard disks to the ST? The answer is YES! And, it's available NOW!

Our new **BMS-200 Adapter** allows you to direct connect PC-Compatible Seagate SCSI Hard drives to your Atari ST. All you add is a case and power supply. Connection is simple: Plug the **BMS-200** into your Seagate SCSI drive, screw it onto the standard mounting holes under the drive, connect it to your Atari ST, turn on the power... voila! Special software is included for formatting and partitioning the drive, as well as setting the onboard clock.

There are two very important criteria for successful assembly of our **BMS-200** system. The first is that you use it with a Seagate "SCSI" hard drive. There are other hard drive interfaces (RLL and MFM) that aren't compatible. SCSI is an intelligent interface, the best kind to have. They give better performance and are the future of hard drive standards. When shopping, look for an "N" after the model number. These are the Seagate drives to look for: ST125N, ST157N, ST225N, ST251N, ST277N. To give you an idea of cost, the 65 megabyte ST277N wholesales for about \$435. Retail will vary. If you can't find these drives, we'll get one for you. Bear in mind we'll have to mark up the price a bit from wholesale.

The second very important criteria is the power supply and case. You must realize that you're going to invest some serious money in your hard drive mechanism. It would be silly to burn it up with a bad power supply or over heat it with a poorly ventilated case. We offer an excellent

package in our beautiful **Ultima HD** case with a built-in hard disk power supply and super quiet fan to keep everything cool. Mounting everything in this unit is simple and the job looks professional when you're done.

A Word About Saving Money

The main reason why PC-Compatible hard drives are less expensive than ST hard drives is this: With PCs, all you need is the drive mechanism. Power supply, fan, and case are built into the computer. On an Atari ST you have three expenses to get your hard drive going: The actual Seagate SCSI hard drive mechanism, the **BMS-200 Hard Disk Adapter** board, and the external case and power supply.

So What's The Advantage?

The necessary case and power supply remain the same cost no matter how many megabytes you put into them. With high capacity PC hard drives being so relatively inexpensive, you're able to assemble much more storage capacity for about the same cost as a lower capacity ST specific hard drive. And, it's much easier to trade off or sell a PC-Compatible hard drive when the time comes to upgrade. The only part of your **BMS-200** system that's not standard PC-Compatible is the **BMS-200 Adapter** board itself. The rest... case, power supply, and hard drive... can still be installed on any PC-Compatible.

The **BMS-200 Hard Disk Adapter Board** makes all of this possible. It's quite a package featuring a built-in clock, "In" and "Out" DMA ports for daisy chaining, and it's excellent support software and instructions. Haven't you done without a hard drive for long enough? Order your **BMS-200** today!

276-200 BMS-200 HD Adapter 2 lb. \$139.95
277-200 Ultima HD Case 10 lb. \$99.95

Turbo For St Hard Drives Everything You Need..

To Achieve and Maintain Turbo Speed!

Review by Eben Brown

Our new **Hard Disk Turbo Kit** is just what the doctor ordered for maximizing the potential of a hard disk on your Atari ST. First a little background: Hard disks are cons faster than floppies... we all know that. But, sometimes their capacity gets in the way of access speed. The more you use your hard drive the more dispersed become the bits and pieces of your files. Pretty soon your drive is having to do alot of searching to find things. Well, part of our "Turbo" process is a program called **TOOLKIT** that rewrites your hard disk files into contiguous blocks. In other words, they're all in one place for quick and easy access... meaning your hard drive actually works faster.

As fast as your hard drive is, it still can't beat the speed of RAM access. So, how can

you apply RAM speed to Hard Drive access? Part of our "Turbo" process is a program called **M-CACHE**. It actually holds recently accessed sectors of your hard drive in RAM... eliminating the physical disk search process entirely. The result is even more speedy access to your files!

Finally, you need a way to back up your hard drive in case of some data losing disaster. The "Turbo" process includes a **BACK-UP!** utility which quickly duplicates your hard disk files onto a series of floppy disks.

The **ST Hard Disk Turbo Kit** is a MUST purchase for anybody with an Atari ST and a hard drive. Order your's today!

250-713 ST/HD Turbo Kit 2 lb.
List \$9.95 Our Price \$39.95

How's About A Change Of Pace?

ST Interactive Comic Strip New "Grail" Adventure Has A Different Twist

Review by Eben Brown

I'm not a big one for adventure games, but I get a kick out of the different ways they're being programmed these days. As an example, this latest **The Grail** for Atari ST computers is really neat. Graphic adventures were a big leap from textual ones. But unlike the joystick directed walking from place to place that's common to them, **The Grail** is more like reading a comic strip. An elaborate picture of the current situation and characters appears on your screen and you click on the characters to see what they're saying. Click on the wizard and a bubble appears with his dialog. If he has a decision

to make, you click on what you want him to decide. For example, when "Shall I destroy this Gnome or let him live?" appeared as the wizard's speech, I clicked on "Destroy...". The next scene showed the wizard destroying the Gnome. It's kind of like directing the outcome of a comic strip.

ST The Grail was programmed with the new **TaleSpin** adventure writing software. If you're into the latest trends in adventures, you really should order this... I haven't seen an adventure anywhere like it!

250-721 ST The Grail 1 lb.
List \$29.95 Our Price \$21.95

Authorized GFA Liquidation Sale

Marketing Change Means Big Savings... If You Act NOW!

by Eben Brown

In case you haven't heard GFA Systematik and Michtron-USA recently decided to part company. I really don't know the reasons for this decision. I DO know that Michtron is a top notch outfit and that GFA makes top notch software. Good news for Atari ST fans is that E. Arthur Brown Company has been authorized to liquidate the remaining U.S. inventories of GFA software... including some sophisticated "Light Ray Tracing"

software that never got a chance to get into distribution!

Here's the situation: Antic Publishing will be taking over the GFA line and re-releasing these products at previous (much higher) prices. Right now, for as long as this small stock lasts, you can buy these same items of software for unbelievable "Blow-'Em-Out-The-Door" prices.

We mail all of our catalogs at the same time... no one gets preferential treatment.

However last Fall, many of our liquidation sale items were sold out before some customers received their catalogs. I don't know how to avoid this type of situation. All I can do is emphasize that liquidation items are ALWAYS in limited quantities. If you want to buy such items... you have to order before we run out of them. So... **DON'T THINK ABOUT IT TOO LONG! GET ON THE PHONE AND ORDER TODAY!**

Never Before Offered In the USA

Light Ray Tracing Kit... \$29.95

If you've seen the sophisticated demo animations of "The Juggler" and others, you know what a fascinating computer science is involved in light ray tracing. For example, as a silver ball moves across your screen, you see reflections of other images move in it's surface... as well as it's shadow moving relative to a perspective source of light. The reflection takes into account the curvature of the surface as well as the 3-D positions of all objects. "Ray tracing algorithms simulate the path of light rays from a light source to a viewpoint, creating photo-realistic images". In effect, this algorithm (program) actually takes into account the physical properties and 3-D positions of objects (ie. Are they opaque, transparent, reflective, or textured? Where are they in relation to other objects?)

This is light ray tracing... using a computer to calculate all of the rays of light that are involved in a 3-D animation. It used to be done only on mainframes with the calculations sometimes taking days to complete! Now with **GFA Ray Trace**, you can do it on any Atari ST with a color or monochrome monitor! It's compatible with **GFA Artist** (Get one here at a liquidation price), Neochrome, DEGAS, and Spec 512 graphic software, too.

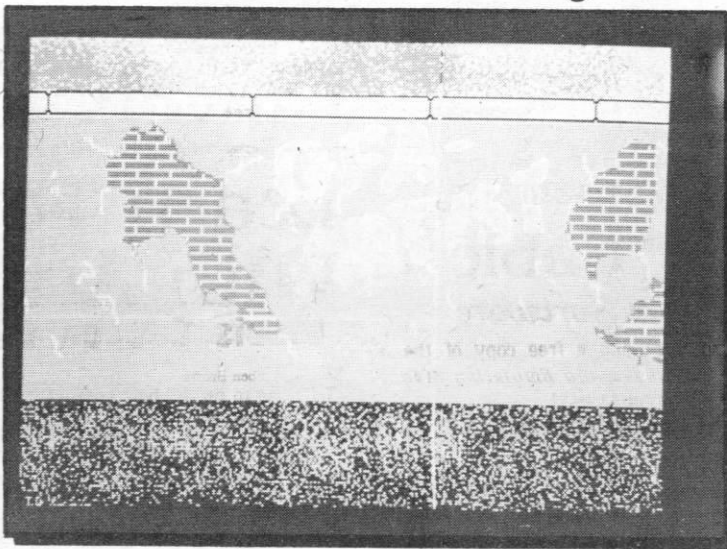
Only a few **GFA Ray Trace** were published here in the U.S. They never got into distribution. So, you not only get a chance to "own it first"... you can get it for a rock bottom liquidation price. Order Today!

250-725 GFA Ray Trace 1 lb.
List \$80.00 Liquidation \$29.95



World's Best Paint Program?

GFA Artist Only \$29.95!



I don't know if I'm one to judge, but I remember having a few Atari ST users here in the office who were trying out various Paint-Type programs we had in stock. They tried the most popular ones (Spec 512, DEGAS Elite,... even Quantum Paintbox) and then they tried **GFA Artist**. I was in an adjoining room and could hear them oohing and holy cow-ing over something. When I asked, they said **GFA Artist** is the best they'd ever seen. It draws, paints, edits sprites, animates (up to 20,000 frames!), has unique tools that can actually distort an object or text to make it appear to fade into the distance. As I watched, I saw some amazing things.

But, **GFA Artist** had two drawbacks: A high price and a 1 meg RAM requirement. We discount priced it, but cheaper Paint programs sold better. Well, that was a year and a half ago and many of you now have the necessary 1 meg of RAM. And, we're offering it at a super low liquidation price. Only 160 of these are remaining, so order quickly! (Color Monitor Required)

250-960 ST GFA Artist 1 lb.
List \$80.00 Liquidation \$29.95

The BETTER GFA BASIC Manual

GFA BASIC Book & Disk...\$9.95

As many of you know, **START** magazine published **GFA BASIC 2.0** for free on their magazine disk. All you need is the manual to manual for

PROGRAMS! That's right! The **GFA BASIC BOOK** gives you more in-depth information.

more info than the original manual, doesn't these, so order your's

These May Be Sold Out By The Time You Read This MANUAL... **DISK FULL OF** information. Sort of makes sense that it has 250-550 GFA BASIC Book 2 lb.
List \$39.95 Liquidation \$9.95

GFA Draft PLUS System

Atari ST CAD Package... \$19.95

Whether you use Computer Aided Design (CAD) in your work or are just interested in learning about it, this **GFA Draft Plus** is a bargain you shouldn't pass up. Use your Atari ST to produce true **SCALED** drawings of circuit board layouts and detailed blueprints/plans. Even draw in layers. Two

styles of variable sized text are included for annotating. Scaling allows accurate measure. Enlarge, reduce, rotate, etc.

This "Plus" version also gives you macros, polar coordinates, parallel lines, tangent lines, line sizing, corner points to define circles and polygons. Full printer/plotter

support is included. And, it works in color or monochrome.

Like I say, at this price you can afford to own a CAD package just for interest's sake. Order **GFA Draft Plus** today!

250-931 ST GFA Draft Plus
List \$150 Liquidation \$19.95

Kings Quest IV And Super "Pong"

Kings Quest IV Is Here!

Humungous, Spectacular, ...The Odyssey Continues!

New **Kings Quest IV-The Perils of Rosella** is the most ambitious graphic adventure yet offered in the series. With a unique combination of animated personalities, beautiful landscapes, and soul stirring music... it's said to be quite emotionally moving to play. At once it is sad and in an instant it can be terrifying. What an adventure!

At the base of this remarkable piece of work is a staggering amount of programming... over 3 megabytes of code! This has to be the largest computer game ever produced. There's even a full length animated cartoon introduction to the game (10 minutes running time). Complete night and day cycles are incorporated into the play. A little different twist this time are several "Mini-Quests" which must be completed prior to the final quest.

If you've never played an animated

adventure, this is a terrific one to buy. If you are familiar with such things, you know about the **Kings Quest** series... get your copy today!

280-653 ST Kings Quest IV 1 lb.
List \$49.95 Our Price \$32.95

The Great, Great Grandson Of Pong

You'll Never Believe It Could Advance So Far!

Review by Eben Brown

Remember the original **PONG** game invented by Nolan Bushnell years ago. It was the first computer action/arcade game... and probably the underlying inspiration of all the games that have come along since. By today's standards, the 2 dimensional back and forth-tennis style play was pretty crude. Recently I tried out **ZERO GRAVITY** for the Atari ST and Amiga. It's a completely modern 3-DIMENSIONAL Color re-do of that original fun **PONG** game. On your screen you see things from your end of the playing court, play with a three dimensional

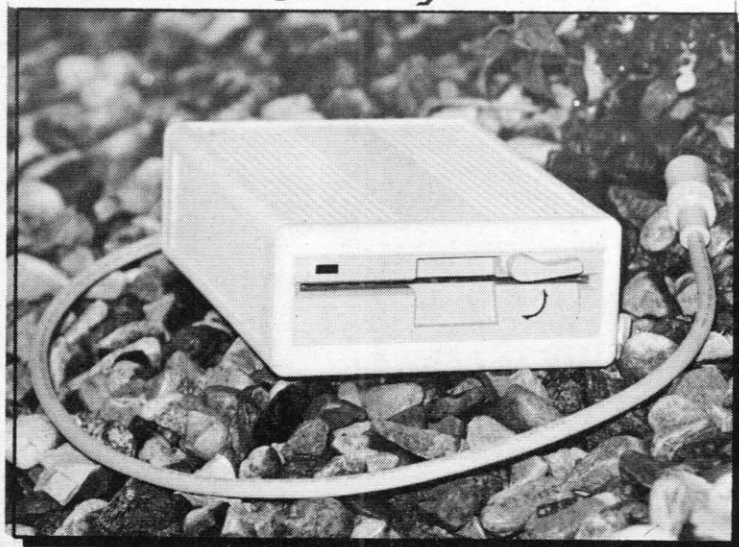
red checkered ball, and move your bat as usual with a joystick. Directly below your view is your opponent's view. As the ball flies away from your shot, your opponent sees it flying toward him.

Playing at court level, I found the game to be a completely new challenge. Bounces are 3 rather than 2 dimensional and are quite a bit more challenging to hit. Like the old **PONG**, the object of the game is simply to out volley your opponent and score points. I like that aspect... makes it more like traditional sporting events. But, **ZERO GRAVITY** is much more sophisticated with 3-D action, graphics, etc. You even have a voice synthesized referee! Order your copy today... you'll enjoy it!

250-718 ST ZERO GRAVITY 1 lb.
250-719 Amiga ZERO GRAVITY 1 lb.
List \$9.95 Our Price \$29.95

Order Toll Free
1-800-322-4405

The Prettiest ST Floppy... Assemble It Yourself and Save!



by Eben Brown

Just because you save some money assembling your own ST floppy drive doesn't mean it has to be ugly! Our new *Ultima* half height floppy case makes your drive look better than many commercial products! It comes complete with special mounting rails, screws, and molded front and back fairings that hide all of the screw heads! Mount any standard half height floppy drive unit including 5.25" and 3.5" (3.5's must have half height chassis). In addition to the case, you'll need a power supply and our ST/PC cable w/Software. Since the case is designed for an external power supply, you can use your Atari ST floppy power supply... just modify the plug (included with case). Or, you can order one of our external power supplies with the plug already modified. And of course, our *ST/PC Floppy Cable* presents the best deal around!

Direct connection to standard 34 pin PC-type floppy drives plus stepper setting/formatting software for both 5.25" and 3.5" drives. PLUS, a free copy of our *ST 5.25" Drive And Emulation Manual*... featuring drive assembly instructions, cable pinouts, modifications for several types of drives, and tips for using *PC-Ditto*.

Whether you need all of the components or only some of them, EABCO has what you need. YOU can have The Prettiest ST Floppy... Order your drive assembly components today!

127-401 ST 5.25 Drive/Em-Manual 1 lb.	\$6.95
127-404 ST/PC Floppy Software 1 lb.	\$16.95
(Includes ST 5.25 D/Em Manual)	
127-403 ST/PC Floppy Cable 1 lb.	\$39.95
(Includes Software & Manual)	
127-514 +12V/5 Volt Power Supply 3 lb.	\$9.95
127-510 Ultima Drive Case 4 lb.	\$39.95
129-310 TEAC 5.25" Drive 3 lb.	\$109.95
129-300 TEAC 3.5" Drive 3 lb.	\$109.95

For PC Emulation Or An Alternative Drive System

ST/PC Floppy Cable Includes Operating System Software

If you want to run *PC-Ditto* with your ST, you just about HAVE to have a 5.25 inch drive. Almost all PC software is in 5.25" format and it's cheaper to get it that way. On the other hand, you might just want to put together a second drive for an interesting project.

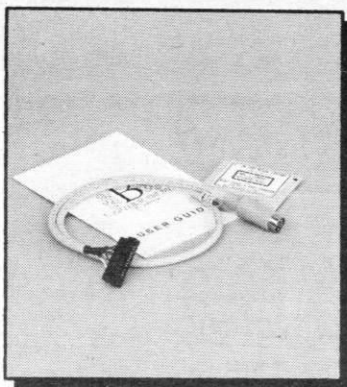
Our ST/PC Drive Cable makes hooking up to a 5.25" drive a cinch. Plug one end into the OUT port on your existing 3.5 inch ST drive. Plug the other end onto the standard 34 pin edge connector of a PC-5.25" drive. Load our special 5.25" drive operating system software and Voila! You've got a 5.25" floppy drive working with your Atari ST.

Which drives will it work on? Since the Atari ST transfers data so fast, we recommend a good quality double density drive that runs at 6 msec or faster. Something on a par with the TEAC 55BV 40 Track unit.

Each ST/PC Floppy Cable comes with our 5.25" operating system/formatting

software and a free copy of the *ST 5.25 Drive and Emulation Manual*. Order Yours today!

127-403 ST/PC Floppy Cable 1 lb.	\$39.95
127-404 ST/PC Floppy Software 1 lb.	\$16.95
(Software Only For Those With Their Own Cable)	



Order Toll Free
1-800-322-4405

Attention Amiga Users!

Our Amiga/PC Floppy Cable Is Almost Ready.
Set-Up 5.25" or 3.5" Drives. Up-Download PC Files!

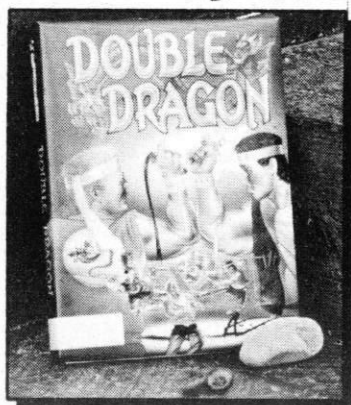
Double Dragon Nintendo Slayer #1 Home/Arcade Game... Now For Amiga & STs

Take the #1 arcade/home video game, add extra features and RGB display, and you've got *Amiga/ST Double Dragon*... the best version yet!

In *Amiga/ST Double Dragon*, you enter into deadly combat with modern day street gangs... fighting against the infamous "Shadow Boss". The object of the game is to see how far you can get as you pursue the gang through slums, factories, and wooded outskirts of the city to reach the Black Warrior hideout... and a final confrontation with the Shadow Boss himself!

Of course your Amiga/ST version of *Double Dragon* has all of the features that made the arcade/home version great: Offensive and defensive moves including jump kick, head butt, left-right punch, elbow punch, whirlwind kick, etc. You'll have several weapons at your disposal as well: Knives, whips, baseball bats, rocks, oil drums... even cardboard boxes!

Exclusive for the Amiga/ST version is a two player option. And of course, the graphics look alot better on your RGB



monitor than they do on a TV screen! Order *Amiga/ST Double Dragon* today! We expect to ship the 2nd week of December on this one.

212-239 ST Double Dragon 1 lb.	
212-249 Amiga Double Dragon 1 lb.	
	Our Price \$29.95

Help Us Keep Your Prices Low!

by Eben Brown

Our "Toll Free" telephone number isn't really free. You pay for it out of whatever profits we make from things we sell to you. Most customers understand this and why we have to insist that the Toll Free number be used for "Orders Only". But occasionally someone will call for information, service, or technical support and get all bent out of shape when we ask them to use the other

line. The facts are these: We keep our prices so low, there just isn't room for uncontrolled expense. We can budget the cost of a phone call into a sale. But on many sales the profit can be as low as \$3-\$4. And, we are happy to provide FREE TECHNICAL SUPPORT in spite of such a low profit. But, we simply can't pay for a technician as well as 10-30 minutes of long distance time. If that's

what's required, our prices would have to go up, up, up!

Please help us keep your prices low... USE THE TOLL FREE LINE FOR ORDERS ONLY! Call 612/762-8847 for product information, technical support, or customer service. *Thank You!*

Is This Your Last Catalog?

We periodically remove inactive names from our mailing list. If you haven't contacted us personally or purchased something in the last year, please do! Thanks!

ST 1-4 Meg Solderless RAM Upgrade An Upgradeable 1-4 Megabyte Board For Original 520STs

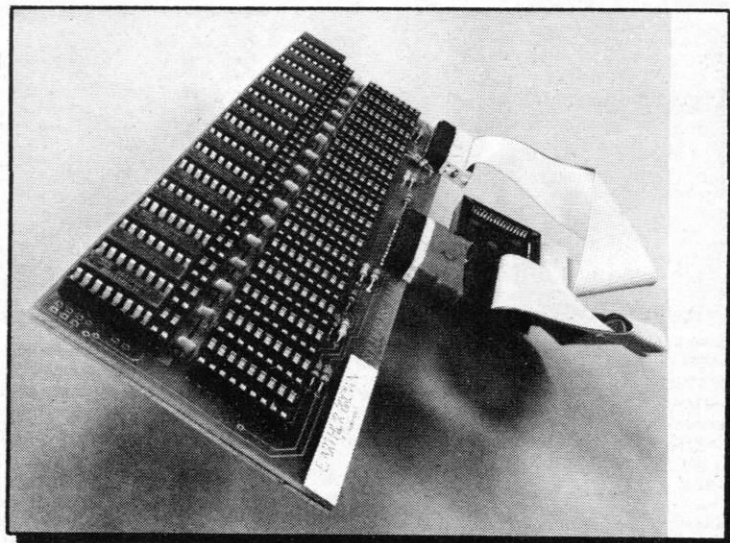
Review by Eben Brown

Is it possible for your original 520ST to keep pace with the 1040s and Megs? You bet! Our *ST Solderless RAM* upgrade will upgrade your 520 to 1, 2.5, or 4 megabytes all on the same board!

Installation is simple. Remove the top of the computer case and RF shield.. Remove the MMU chip, install it on our MMU adaptor board, and install the adaptor board back into the MMU socket. Remove the Video Shifter chip, install it on our Shifter adaptor board, and install the adaptor board back into the Shifter socket. Position the ST Solderless RAM board, replace the RF shield and case top... and you're done!

Buy your upgrade two ways. We sell it as an empty board so that you can add 256K or 1 Meg DRAMS for the amount of memory you desire. Or, we sell it with 256K DRAMS installed to bring your 520ST up to 1 megabyte in total memory. Chip prices are always fluctuating, so please call for a price of the board with chips.

We stand behind the *ST Solderless RAM* because it's the best in the business. That's why we offer a FULL YEAR WARRANTY. In addition, we include free RAM testing software,



RAM disk, and Print Spooler. Don't let 1040s and Megs pass you by. Upgrade with the ST Solderless RAM! (Not for 520 STFM).

330-400 ST Solderless RAM w/Chips 3 lb. \$CALL
330-402 ST Solderless RAM (Empty) 2 lb. \$CALL
Bargain Priced At \$149.95

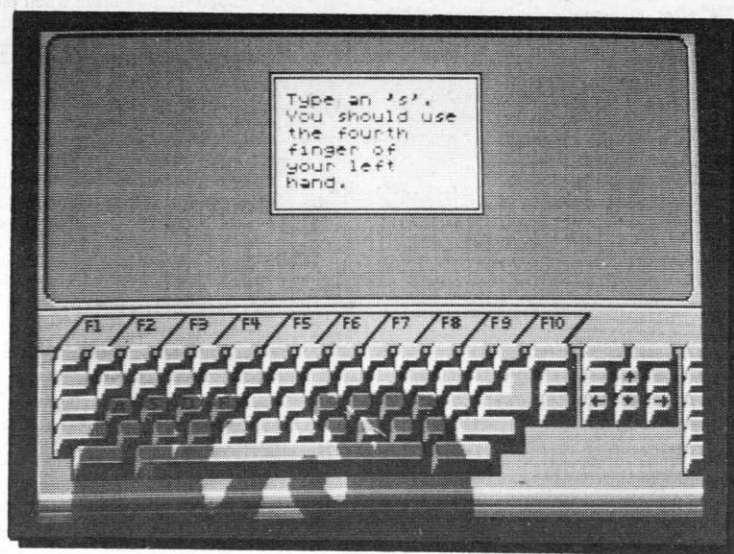
Learn Touch Typing With Artificial Intelligence Mavis Beacon Customizes Lessons To Your Needs

Review by Eben Brown

This has to be the best computerized typing tutor around. It's called *Mavis Beacon Teaches Typing* and it incorporates artificial intelligence to analyze your progress and tailor your lessons to fit your needs. For example, Mavis watches for consistent error patterns, charts them, and then works up corrective drills for greater speed and accuracy. Ever wondered why a teacher was doing something? Mavis' "Show Thinking" feature let's you see how and why she's doing what she's doing. Mavis tracks your performance in 25 areas and gives you progress charts accordingly!

Learning typing with Mavis is fun! Lessons are constructed from an enormous database that includes interesting and involving passages from all kinds of literature. And, they're constantly updated to fit your skills... you'll never see the same one twice! Special employment agency tests are also included. So if you're learning to type to get a job you won't be surprised by the job-getting process.

In addition, *Mavis Beacon* is the only typing teacher to focus on words and letter combinations that come up most frequently in daily typing tasks. You learn to type for real-life situations. An on-screen fingering chart and tempo typing metronome combine to develop touch typing skills rapidly. And, you



can learn on the keyboard you'll be using... special 10 key, Dvorak, and computer keyboard options are available.

The sound effects and graphics are entertaining and keep you involved with your lessons. There are even arcade game drills for a change of pace and to test your skill.

Whether you buy it for your kids or for yourself, *Mavis Beacon Teaches Typing* is the typing tutor par excellence. Order yours today!

212-204 ST Mavis Beacon Typing	2 lb.
212-317 Amiga Mavis Beacon Typing	
Last \$44.95	Our Price \$32.95

Amiga Three Minute Video Titler

Review by Eben Brown

If you're looking for a video titler that doesn't take a year to figure out, our

new Amiga *Easy Titler* is for you. I loaded *Easy Titler* into my Amiga and

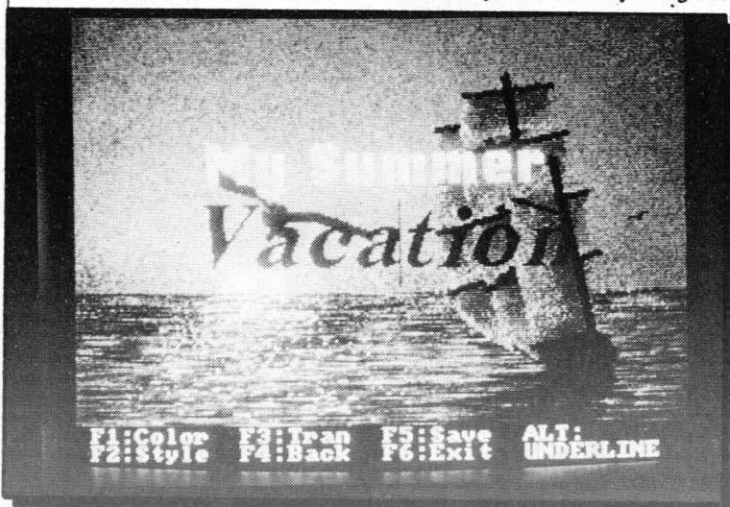
created a "My Summer Vacation" video title in under 3 minutes while barely scanning the instructions. If I can do it, you can do it!

Easy Titler supplies you with simple, but powerful tools for creating professional quality video titles. You select the color and style of your type, choose a background color or scene (you can substitute your own pictures for background scenes), select a "Snap", "Push", or "Fade" presentation, and then type your title on the screen. It's as easy as that!

You can create several screens and run them as a slide show. This is handy for doing credits to a video presentation, or doing a sales presentation. Have some screens "snap" right up. Have others "push" the previous screen out of the way. Have still others "fade" in and out of view.

As you can see, I'm very impressed with Amiga *Easy Titler*. You will be, too! Order yours today!

444-400 Amiga Easy Titler 1 lb.
Our Price \$49.95



Atari ST Software

No.	Description	Wt.	Price
250-622	Airball Const.Set	1	14.95
225-400	Amiga/ST Starglider II	1	34.95
126-401	Ditto DOS (3.5 SSD)	3	129.95
120-200	PC-Ditto	2	64.95
120-201	PC-DITTO II	2	299.95
280-231	Publisher ST	4	79.95
280-220	SPECTRUM 512	1	43.95
250-730	ST 8 Ball Billiards	1	17.95
280-651	ST A DAY AT RACES	1	29.95
250-525	ST AB-Zoo	1	18.95
127-333	ST ACCPaint	1	29.95
250-621	ST Airball	1	23.95
587-300	ST Arcade Force 4	1	39.95
280-218	ST ARCHITECT DESIGN	1	19.95
280-252	ST ARKANOID II	1	29.95
413-416	ST ART #8	1	12.95
413-408	ST ART DISK #1	1	12.95
413-409	ST ART DISK #2	1	12.95
413-410	ST ART DISK #3	1	12.95
413-411	ST ART DISK #4	1	12.95
413-412	ST ART DISK #5	1	12.95
413-417	ST ART DISK #6	1	12.95
413-415	ST ART DISK #7	1	12.95
212-208	ST Bard's Tale	1	31.95
250-223	ST BASE TWO	2	39.95
280-666	ST BATMAN	1	49.95
587-308	ST Better Dead Alien	1	24.95
280-301	ST Bionic Commando	1	32.95
280-305	ST Bubble Ghost	1	29.95
280-306	ST Buggy Boy	1	32.95
250-611	ST Calendar	1	17.95
587-312	ST Captain Blood(EURO)	1	39.95
250-510	ST Cards	1	23.95
587-307	ST Carrier Command	1	29.95
280-221	ST CARTOON DESIGN	1	19.95
234-400	ST Cartridge Port Adaptor	1	14.95
280-204	ST CHAOS	1	21.95
212-207	ST Chessmaster 2000	1	28.95
320-210	ST CHURCH MGR	4	189.95
280-309	ST Corruption	1	32.95
280-222	ST CRASH GARRETT	1	29.95
127-106	ST CRIMSON CROWN	1	9.95
280-214	ST CYBER CONTROL	1	39.95
280-211	ST CYBER PAINT	3	44.95
280-224	ST CYBER PRINT (1 MEG)	1	34.95
280-215	ST CYBER SCULPT	1	54.95
280-213	ST CYBER STUDIO	3	58.95
280-216	ST CYBER TEXTURE	1	32.95
280-217	ST CYBER VCR	1	49.95
280-233	ST Data Manager	2	48.95
280-225	ST DATAMAPS I	1	17.95
280-226	ST DATAMAPS II	1	17.95
212-202	ST DEGAS Elite	2	38.95
250-716	ST DEPAK 2	2	64.95
280-227	ST DEVELOPER'S DISK	1	19.95
127-513	ST Dialog Box Const.	1	29.95
212-239	ST Double Dragon	1	29.95
280-202	ST Dungeon Master	1	24.95
280-667	ST DUNGEON MASTER ED	1	19.95
325-501	ST Easy Draw	2	64.95
325-502	ST Easy Draw Fonts #1	1	27.95
325-505	ST Easy Tools	1	32.95
212-245	ST Empire	1	34.95
280-310	ST Empire Strikes Back	1	32.95
587-601	ST EURO 5 Star Pkg.	1	39.95
278-200	ST EZ-GRADE	3	29.95
326-407	ST EZ-SCORE PLUS	2	99.95
326-408	ST EZ-TRACK PLUS	1	43.95
280-270	ST F-16 STRIKE EAGLE	1	26.95
280-207	ST FALCON SIM	2	34.95
298-615	ST FINDEX V	1	39.95
587-306	ST Fire & Forget	1	26.95
280-209	ST FLASH	1	19.95
250-543	ST FLEET STREET	3	74.95
363-310	ST Flex/Multi Pkg.	1	49.95
127-410	ST Flexcessory	1	29.95
280-210	ST Flight Simulator II	2	34.95
280-312	ST Flintstones	1	32.95
280-228	ST FONTS (ANTIC) 1	1	19.95
280-229	ST FONTS (ANTIC) 2	1	19.95
322-200	ST FONTZ	1	22.95
320-208	ST FUEL-PRO	4	189.95
280-235	ST FUTURE DESIGN	1	19.95
363-312	ST G+PLUS	1	27.95
280-314	ST Garfield	1	32.95
280-212	ST Gauntlet II	1	28.95
413-600	ST GDOS FONT #1	1	21.95
413-601	ST GDOS FONT #2	1	21.95
413-602	ST GDOS FONT #3	1	21.95
413-603	ST GDOS FONT #4	1	21.95
413-604	ST GDOS FONT #5	1	21.95
280-236	ST GENESIS	1	49.95
250-960	ST GFA ARTIST	1	29.95
250-931	ST GFA Draft Plus	3	19.95
250-725	ST GFA RAY TRACE	1	29.95
250-926	ST GFA Vector	1	29.95
413-444	ST Gold Of Realm	1	24.95
250-420	ST Gold Ru.II Sc#1	1	9.95
250-421	ST Gold Ru.II Sc#2	1	9.95
250-628	ST Gold Runner II	1	29.95
280-272	ST GOLD RUSH	2	28.95
280-315	ST Gunship	1	39.95
212-482	ST Hero of Lance	1	27.95
250-707	ST HISOFT BASIC	3	59.95
250-711	ST HISOFT BASIC PRO	3	99.95
250-716	ST HIT GAMES	1	34.95
280-264	ST HOSTAGES	1	39.95
280-237	ST HUMAN DESIGN	1	19.95
250-544	ST HYPER FONT	1	29.95
280-259	ST IK+ (KARATE)	1	39.95
587-306	ST Ikari Warriors	1	26.95
280-238	ST INTERIOR DESIGN	1	19.95
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280-200	ST OIDS	1	21.95
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280-251	ST OPERATION WOLF	1	29.95
587-304	ST Out Run	1	29.95
280-256	ST PACMANIA	1	34.95
413-420	ST PageStream	3	119.95
280-327	ST Pandora	1	32.95
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413-403	ST PGSTRM/PP FONT #3	1	21.95
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280-245	ST SHADOWS	1	19.95
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212-212	ST SmoothTalker	1	19.95
280-266	ST SPTT'N IMAGE	1	34.95
510-125	ST SQL Add-On	1	24.95
280-265	ST STAC	2	59.95
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212-479	ST Stellar Crusade	1	37.95
280-336	ST Stlcrzy	1	32.95
587-600	ST STOS Game Creator	2	39.95
280-337	ST Street Fighter	1	34.95
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280-338	ST Super Hang On	1	28.95
320-204	ST SUPER SALES PRO	5	579.95
280-339	ST Super Ski	1	32.95
280-340	ST Super Sprint	1	29.95
280-206	ST SUPERMAN	1	39.95
280-232	ST SwiftCalc	3	48.95
250-722	ST TALESPIN	2	64.95
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212-203	ST Thunder	1	27.95
280-342	ST Thunder Cats	1	32.95
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If you don't see what you're looking for, give us a call! We may have stocked it since mailing this catalog. Or, we may not know we should be stocking it.

Atari ST Hrdwre.

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120-201	PC-DITTO II	2	299.95
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234-400	ST Cartridge Adaptor	1	14.95
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275-201	ST Monitor Master	2	34.95
340-400	ST Mouseball II	3	39.95
220-420	ST PictaScan Scanner	3	149.95
330-400	ST Solderless RAM(512K)	3	3CALL
330-402	ST Solderless RAM(Empty)	2	149.95
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275-200	ST Video Key	3	64.95
270-200	ST/GT1000 Drive	10	249.95
127-403	ST/PC Floppy Cable	1	39.95
339-400	Surge Suppressor	1	4.95
129-300	TEAC 3.5 Drive	3	109.95
129-310	TEAC 5.25 Drive	3	109.95
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250-551	GFA Training/Re-Boot Bk.	2	14.95
343-762	Hackers Handbook	1	12.95
430-400	Lost Scroll Anais	1	9.95
127-109	MODEM CRIME BIBLE	4	12.95
440-402	Presenting ST Bk.	2	12.95
250-555	Prog. W/ GFA BASIC 3.0	2	19.95
510-121	Regent Base Guide	1	9.95
440-528	ST 3D Graphics Bk.	2	16.95
127-401	ST 5.25 Drive/Em.Manual	1	6.95
250-557	ST 68000 Prog. Ref.	2	26.95
440-520	ST BASIC to C Bk.	2	13.95
440-523	ST Disk Drives Bk.	2	16.95
440-404	ST GEM Ref. Bk.	2	13.95
440-403	ST Internals Bk.	3	13.95
440-525	ST Intro to MIDI Bk.	2	13.95
440-406	ST Machine Lang. Bk.	2	13.95
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Amiga Software